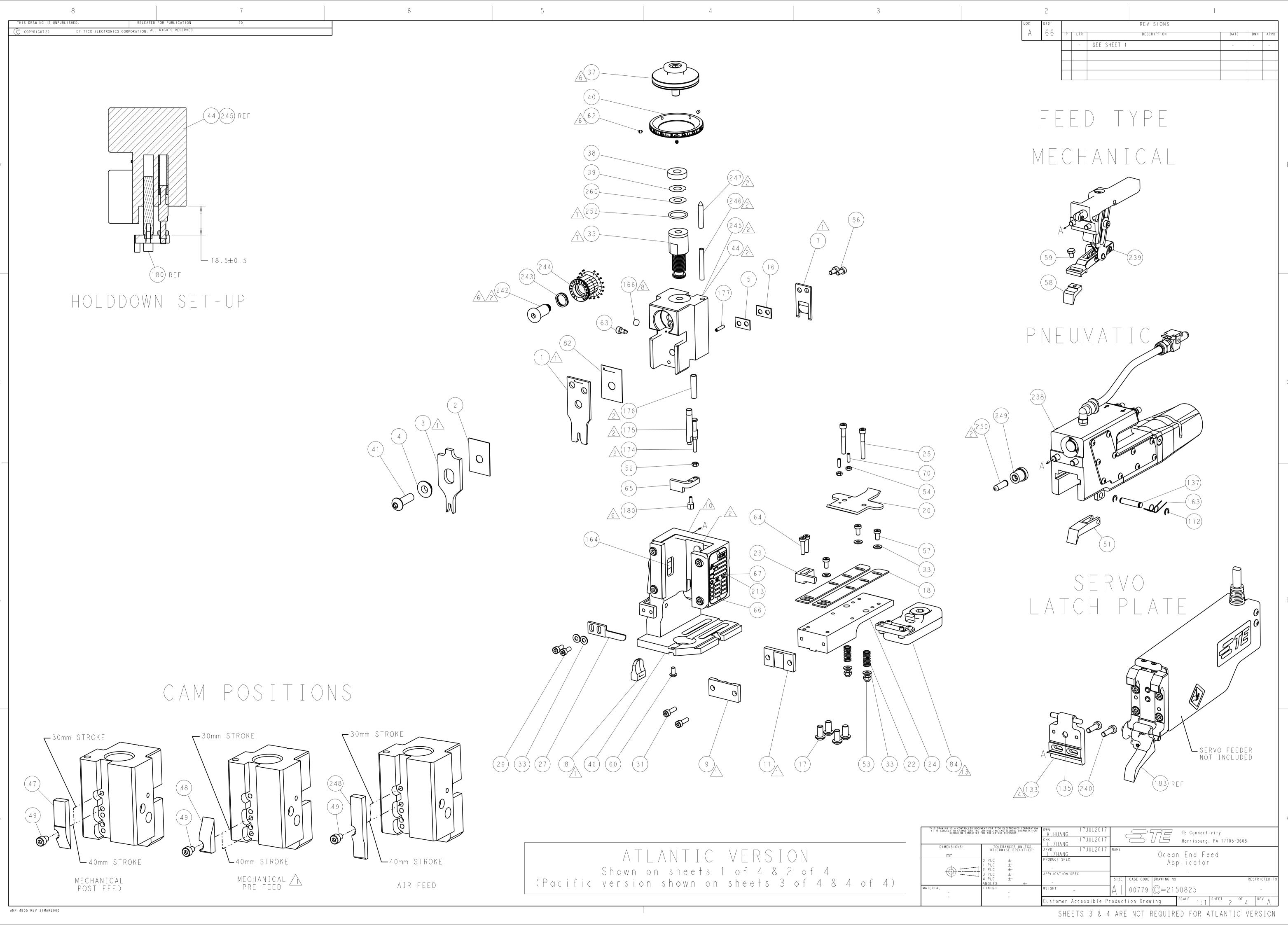
| THIS DRAWING IS UNPUBLISHED.                  | RELEASED FOR PUBLICATION                                                   | 7                                                                                                    | I                             | 6                 | 5                                   |                             |                                                                        | 4                                   |                                       | 3                         |          |                                                                                                                                   |
|-----------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------|-------------------|-------------------------------------|-----------------------------|------------------------------------------------------------------------|-------------------------------------|---------------------------------------|---------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------|
|                                               | ELECTRONICS CORPORATION. ALL RIGHTS RESERVE                                |                                                                                                      | <u> </u>                      |                   |                                     | APPI ICA                    | TOR STYLF CON                                                          | VERSION CHART                       |                                       |                           | ]        | SI                                                                                                                                |
| TERMINATOR<br>INTERFACE ADAPTER               | REVISIO                                                                    | ON DESCRIPTION                                                                                       | FEED TYPE                     | CONVERT TO        |                                     |                             |                                                                        | NUMBERS REQUIRED                    |                                       |                           |          |                                                                                                                                   |
|                                               | 2150825-1 A                                                                | FINE CRIMP HEIGHT ADJUST                                                                             | MECHANICAL                    |                   | 2119950-1<br>2119951-1<br>2161326-1 | 2119792-2<br>1901697-1<br>- | -<br>8-2150825-5<br>8-2150825-4                                        | 2119641-1<br>-<br>-                 | - 20634<br>- 2168400-7 (<br>-         | 440-1<br>QUANTITY 2)<br>- |          | 1 1                                                                                                                               |
|                                               | 2150825-2 A                                                                | FINE CRIMP HEIGHT ADJUST                                                                             | PNEUMATIC                     | SERVO LATCH PLATE | 2119949-1<br>2119951-1<br>2161326-1 | 2063961-1<br>1901697-1<br>- | 5-18022-5<br>8-2150825-5<br>8-2150825-4                                | 2119653-1<br>-<br>-                 | - 2168400-7 (<br>- 2                  | -<br>QUANTITY 2)<br>-     | 6 -      | 1 1<br>- 2<br>                                                                                                                    |
|                                               | 2150825-5 A                                                                | FINE CRIMP HEIGHT ADJUST                                                                             | SERVO<br>LATCH PLATE 4        |                   | 2119949-1<br>2119950-1              | 2063961-1<br>2119792-2      | 5 - 18022 - 5<br>-                                                     | 2119653-1<br>2119641-1              | - 20634                               |                           | -        | <br>- 1<br>- REER                                                                                                                 |
|                                               | 2150825-6 A<br>2150825-7 A                                                 | NON-CRIMP HEIGHT ADJUST                                                                              | SERVO<br>ALATCH PLATE<br>NONE |                   |                                     |                             |                                                                        |                                     | - · · ·                               |                           | 6        |                                                                                                                                   |
|                                               | 7-2150825-7 A                                                              | CRIMP TOOLING KIT                                                                                    | -                             | _                 | -                                   | _                           | -                                                                      | _                                   |                                       | -                         |          | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$                                                                            |
| APPLICATOR                                    | DATA                                                                       |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | 1 1<br>                                                                                                                           |
| CRIMP SIZE<br>WIRE 2.79 mm [.11               |                                                                            |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | - R      | REFREFR<br>                                                                                                                       |
| APPL INSTRUCTIC<br>408-10390                  |                                                                            |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | - REFR                                                                                                                            |
| 400 10000                                     |                                                                            |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        |                                                                                                                                   |
|                                               |                                                                            | KARD CRIMP SPECIFICATION                                                                             |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | 22                                                                                                                                |
| WIRE STRIP LENG                               |                                                                            | ATION DIAMETER RANGE                                                                                 |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | 22                                                                                                                                |
| 3.51-4.27 mm [.138<br>TERMINAL<br>APPLICATION | 3168 [N] (2.00-<br>989637 PAGE 3 OF 6 Rev 20                               | 2.70 mm [.079106 IN]<br>13-10-30 -                                                                   |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | 2 2                                                                                                                               |
| TERMINALS APPL                                | IFD A                                                                      | -                                                                                                    |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           |          | 3 - 1 1                                                                                                                           |
|                                               | LPHI TERMINAL TE TERM<br>02989637                                          | MINAL DELPHI TERMINAL                                                                                |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | 3 3                                                                                                                               |
| 2113033-1                                     | 02909031                                                                   |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | 2 2 2 2                                                                                                                           |
|                                               |                                                                            |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        |                                                                                                                                   |
| WIRE SIZE SIZE                                | RIMP HEIGHT                                                                | CRIMP HEIGHT                                                                                         |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        |                                                                                                                                   |
| 1.00mm2 1                                     | .50+/-0.05 [.059+/002]                                                     | 6.1                                                                                                  |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        |                                                                                                                                   |
| 0.80mm2 1<br>0.50mm2 1                        | .40+/-0.05 [.055+/002]<br>.35+/-0.05 [.053+/002]                           | 7.3                                                                                                  |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        |                                                                                                                                   |
|                                               |                                                                            |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | <u>1</u> –<br>1 1                                                                                                                 |
| RECOMMENDED SE                                | PARE PARTS<br>G SURFACES LIGHTLY                                           |                                                                                                      |                               |                   |                                     | WARNING<br>On insta         |                                                                        | SET WIRE D                          | ISC, ITEM 40                          | ΤO                        | 6 -      | 1 1                                                                                                                               |
| 3. LUBRICATE DAIL                             | Y PER THE APPLICATOR I<br>WITH THE APPLICATOR.                             | INSTRUCTION                                                                                          |                               |                   | L                                   | _ARGEST \                   | WIRE SIZE                                                              | SETTING. I                          | JSE OF SETTIN<br>Pheight sett         | GS                        | -        | 22                                                                                                                                |
| A APPLICATOR SPE                              | ECIFIC DATA TO BE ENTER                                                    | RED INTO BLANK MEMORY CHIP AT                                                                        |                               |                   |                                     |                             |                                                                        | TO CRIMP                            |                                       | INO                       | -        | $\begin{array}{c c} 2 & 2 \\ \hline 1 & 1 \\ \hline 2 & 2 \end{array}$                                                            |
| PNEUMATIC F<br>Servo feed                     | EED WITH "SMART APPLIC<br>WITH "FINE CRIMP HEIGH                           | CATOR" CONVERSION: 8-2150825-4<br>CATOR" CONVERSION: 8-2150825-4<br>HT ADJUST": 8-2150825-5          |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        |                                                                                                                                   |
| 5. ADJUSTMENT OF                              | WITH "NON-CRIMP HEIGHT<br>THE STRIPPER MAY BE RE                           | EQUIRED WHEN MOVING THE                                                                              |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        |                                                                                                                                   |
| APPLY PART NUM                                | WEEN BENCH AND LEADMAK<br>MBER 1-23419-5 LOCTITE                           | TO THREADS OF ITEMS 62 & 180.<br>TO THREADS OF ITEM 242.                                             |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           | -        | $\begin{array}{c c} \underline{} \\ \underline{} \\ \underline{} \\ \underline{} \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$ |
| FOR -6 ONLY A                                 | S, GROOVE AND O-RING ON                                                    | 119-5 LOCTITE TO THREADS OF ITEM                                                                     | S 37 & 180.                   |                   |                                     |                             |                                                                        |                                     |                                       |                           |          | 1 1                                                                                                                               |
| $\wedge$                                      | 166 MUST BE ORIENTED CO                                                    | ORRECTLY IN ORDER TO PROPERLY                                                                        |                               |                   | -                                   | - 1                         | - 21199                                                                |                                     |                                       | 260                       |          |                                                                                                                                   |
| CRIMP HEIGHT F<br>APPLICATOR WAS              | REFERENCE SETTING WAS T<br>G QUALIFIED AT THE FACT                         | THE SETTING USED WHEN THE<br>FORY. ADJUSTMENT MAY BE                                                 |                               |                   | -                                   | 1<br>1                      | 1         8 - 2108           -         21196           -         18032 | 40-1 PUSH ROD, A                    |                                       | 252<br>250<br>249         |          |                                                                                                                                   |
| NECESSARY WHEN                                | I RUNNING APPLICATOR IN<br>M STORAGE LOCATION REFE                         | ER TO INSTRUCTION SHEET                                                                              |                               |                   | -                                   | 1<br>1 - 1 1                | - 21196-<br>1 21197                                                    | 41-1 FEED CAM, A<br>98-1 DETENT PIN | IR FEED                               | 248<br>247                | -        |                                                                                                                                   |
| FOR ADDITIONAL                                | . INFORMATION.<br>ED SET-UP FOR END FEED                                   | APPLICATORS IS POST-FEED WITH                                                                        |                               |                   | -                                   | 1 - 1 1<br>- 1              |                                                                        | 59-1 RAM, AMP ST                    | YLE, END FEED, NON-ADJU               |                           | -        |                                                                                                                                   |
| ITEM 2119652-1                                | BUT MAY ENCOUNTER PRC                                                      | BE CONFIGURED FOR PRE-FEED WITH<br>DBLEMS WITH SOME APPLICATIONS.<br>OCCUR IN THE PRE-FEED CONFIGURA | TION.                         |                   | - 7 7                               | -7-6-5-2                    | 2 - 1 PART                                                             | NO                                  | DESCRIPTION                           | I T E M<br>N O            |          | - 7 - 6<br>WING IS A CONTROLLED DO<br>UBJECT TO CHANGE AND TH<br>SHOULD BE CONTACTE                                               |
| USE SHIM PACK                                 | NG -6 NON-CRIMP HEIGHT<br>2119957-2 TO ALIGN APP<br>GHT AT NORMAL TERMINAT | PLICATOR'S MAXIMUM                                                                                   |                               |                   |                                     |                             | ATI AN                                                                 | TIC VER                             | SION                                  |                           |          | IMENSIONS:<br>MM                                                                                                                  |
| $\wedge$                                      | ICANT IS RECOMMENDED.                                                      |                                                                                                      |                               |                   |                                     |                             | own on sh                                                              | eets 1 of 4                         |                                       | of A)                     |          |                                                                                                                                   |
|                                               |                                                                            |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     | · · · · · · · · · · · · · · · · · · · |                           | MATERIAL | -                                                                                                                                 |
| AMP 4805 REV 31MAR2000                        |                                                                            |                                                                                                      |                               |                   |                                     |                             |                                                                        |                                     |                                       |                           |          |                                                                                                                                   |

|                                       |                                                |                              |                 |                               | 2                           |                    |                  |                |       |        |                   |                |                               |             |         |        |                 |
|---------------------------------------|------------------------------------------------|------------------------------|-----------------|-------------------------------|-----------------------------|--------------------|------------------|----------------|-------|--------|-------------------|----------------|-------------------------------|-------------|---------|--------|-----------------|
|                                       |                                                |                              | JP G/<br>9599   | AUGE                          | A 66                        | P LT               |                  |                |       |        | ISIONS<br>RIPTION |                |                               |             | DATE    | DWN    | APVD            |
|                                       |                                                |                              |                 |                               |                             | A                  | A RE             | ELEASED        |       |        |                   |                |                               | 11AU        | IG2017  | КН     | CT              |
|                                       |                                                |                              |                 |                               |                             |                    |                  |                |       |        |                   |                |                               |             |         |        |                 |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 21190<br>20797              |                    |                  |                |       |        |                   |                | ADJUS <sup>*</sup><br>REST-T( |             |         |        | 244             |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 21190                       |                    |                  | RETAI<br>SHCS. |       |        |                   |                | AL<br>15 X 10                 | 0           |         |        | 242             |
| -                                     | -                                              | -                            | -               | 1                             | 21195                       | 580-1              |                  | MECHA<br>AIR F | NICA  | NL FE  | ED AS             |                |                               |             |         | 2      | 239             |
|                                       |                                                | 1                            | <br>_           |                               | 21197                       | 740-2              |                  | TAG,I          | DENT  | IFIC   | ATION             |                |                               |             |         |        | 213             |
| - 1                                   | REFF                                           | <u> 1</u>                    | -               | -                             | 19016                       | 354-6              |                  | FEED<br>Stand  | OFF,  | HOLD   | -DOWN             |                |                               |             |         | 1      | 83<br>80        |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 6 - 9 9 3<br>8 - 2 2 2      |                    |                  | SPRIN          | IG, C | COMPR  | ESSIC             | N              | ) X 14                        | . 0         |         | 1      | 76              |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 17523                       | 353-2<br>680-2     |                  | GUIDE<br>GUIDE |       |        |                   |                |                               |             |         | 1      | 7574            |
| - 1                                   | - 1                                            | -                            | 2               | -                             | 2104<br>9949                | 15-3<br>69-1       |                  |                |       |        |                   |                | 3/16 CI<br>I ENER(            |             | ENT     | 1      | 72              |
| REF                                   | REFF                                           | REF<br>-                     | REF<br>1        | REF                           | 9949                        | 70-2<br>38-1       |                  | COUNT<br>SPRIN | ĒR,   | MAGN   | ETIC              |                |                               |             |         | 1      | 64<br>63        |
| -                                     | -<br>REFF                                      | -<br>) [ [                   | 1               | -                             | 3-236<br>SEE N              | 627-7              |                  | PIN,           | RETA  | ΑΙΝ,   | GRVD,             | 3/16           | 5 X . 8:                      | 54          |         |        | 37<br>35        |
| -                                     |                                                |                              | _               | _                             | 16337                       | 743-1              |                  | MEMOR<br>SERVC | ) FEE | ID LA  | TCH A             | ΝSΜ            |                               |             |         | 1      | 33              |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 21199<br>4558               | 955-2<br>88-4      |                  | ASSY,<br>SPACE |       |        |                   | END F          | EED                           |             |         |        | 84<br>82        |
| 1                                     | 1 2                                            | 1                            | 1               | 1                             | 21199                       |                    |                  | DOCUM<br>SCR,  |       |        |                   |                | (10.0                         |             |         |        | 71<br>70        |
| 1                                     | - 2                                            | - 2                          | 1               | 1                             | 21197<br>21680              |                    |                  | TAG,I<br>Screw |       |        |                   |                | 2 x                           | . 188       |         |        | 67<br>66        |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 1 - 1 9 0 1                 | 681-               | 3                | HOLDD          | OWN,  | TER    | MINAL             | -              | 14 X 10                       |             |         |        | <u>65</u><br>64 |
| 1                                     |                                                | 1                            | 1               | 1                             | 21197                       | 793-1              |                  | LIMIT          | ĒR,   | ADJU   | STMEN             | IT BOL         | .Τ                            |             | <u></u> |        | 63<br>62        |
| 1                                     | 1                                              | 1                            | 1               | <u> </u>                      | 20793                       |                    |                  | SCR,           | BHSC  | C, Ro  | HS (M             | 14 X 8         |                               | <u>x 4.</u> | )       |        | 60              |
| -                                     | -                                              | -                            | -               | 1                             | 5 - 180<br>20639            |                    |                  | SCR,<br>FEED   |       |        | AP, M             | 14 X 6         | 5.0                           |             |         |        | 59<br>58        |
| 3                                     | 3                                              | 3                            | 3               | 3                             | 21684<br>21680              |                    |                  |                |       |        |                   |                | 14 X 8<br>M4 X 8              |             |         |        | <u>57</u><br>56 |
| 2                                     | 2                                              | 2                            | 2               | 2                             | 50180<br>9869               | ) 30 - 1<br>65 - 8 |                  | NUT,<br>NUT,   |       |        |                   |                |                               |             |         |        | 54<br>53        |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 1 - 5018<br>21197           | 3030-              | 0                | NUT,<br>PAWL,  | ΗΕΧ,  | REG    | , Roh             |                |                               |             |         |        | 52<br>51        |
| -                                     | -                                              | -                            | 1               | 2                             | 1802                        | 23-9               |                  | SCR,           | SKT   | HD C   | AP MZ             |                | 0                             |             |         |        | 49<br>48        |
| -                                     | -                                              | -                            | -               | 1                             | 21196                       | 653-1              |                  | FEED           | CAM,  | POS    | T FEE             | D              |                               |             |         |        | 47              |
| 1                                     | -                                              | 1                            | 1               | 1                             | 21196                       | 369-1              |                  | RAM,           | AMP   | STYL   | E, EN             | ID FEE         |                               | r           |         |        | 46              |
| 1                                     | -                                              | 1                            | 1               |                               | 20793                       |                    |                  | SCR,<br>DISC,  |       |        |                   |                | ADJUS                         | TMEN        | Γ       |        | 41              |
| 1                                     | - 1                                            | 1                            | 1               | 1                             | 21199                       |                    |                  | APPLI<br>RAM W |       |        |                   |                |                               |             |         |        | <u>39</u><br>38 |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 21190                       |                    |                  | FA HE<br>BOLT, |       |        |                   | STYLE          |                               |             |         |        | 37<br>35        |
| 7                                     | 7                                              | 7                            | 7               | 7                             | 1 - 180                     | )28-2              |                  | WASHE          | R, F  | LAT,   | REG               |                | M 4 X                         | 1 /         |         |        | <u>33</u><br>31 |
| 2                                     | 2                                              | 2                            | 2               | 2                             | 1 - 2 1 6 8                 | 8083-              | 0                | SCR,           | SKT   | HD C   | AP, F             | RoHS,          | M 4 X                         |             |         |        | <u>29</u><br>27 |
| 2                                     | 2                                              | 2                            | 2               | 2                             | 1 - 2 1 6 8                 |                    | 5                |                | SKT   | HD C   | AP, F             | Rohs,          | M4 X .                        | 30          |         |        | 25              |
| 1                                     |                                                | 1                            | 1               | 1                             |                             | 25-1               |                  | PLATE<br>PLATE | , st  | RIP    | HOLD              | DOWN           |                               |             |         |        | 24              |
| 2                                     | 2                                              | 2                            | 2               | 2                             | 2 - 2 2 2<br>1 8 0 3 2      |                    |                  | SPRIN<br>DRAG  | IG, C | COMPR  | ESSIC             | ) N            |                               |             |         |        | 22<br>20        |
| 2                                     | 24                                             | 2                            | 2               | 2                             | 19012<br>1-2079             |                    |                  | GUIDE<br>SCR,  |       |        |                   |                | 2)                            |             |         |        | 18<br>17        |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 6 - 2 4 0<br>2 4 0 6        | 641-7<br>44-9      | 7                | SPACE<br>Plate | R     |        |                   |                |                               |             |         |        | 16              |
| - 1                                   | - 1                                            | -                            | -               | -                             | 8 - 6 9 0                   |                    |                  | -              |       |        |                   | 2              |                               |             |         |        | 10              |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 18034                       | 126-5              |                  |                | , CC  | ) MBIN |                   |                | ) FEED                        |             |         |        | 8               |
|                                       | <br>                                           | <br>1                        | -               |                               |                             | -                  |                  | -              | ,     | UU     |                   |                |                               |             |         |        | 1<br>6<br>5     |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 2 - 2 4 0                   | 009-1              |                  | SPACE<br>Block | i, Fl |        |                   |                | R                             |             |         |        | 5               |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 1 - 1803<br>4558            |                    |                  | CRIMP<br>SPACE |       |        |                   | )n f           |                               |             |         |        | 3               |
| 1                                     | 1                                              | 1                            | 1               | 1                             | 6-456<br>DADT               |                    |                  | CRIMP          |       | WIRE   | PREM              |                | T O NI                        |             |         | I      | 1<br>T E M      |
| DRAWING IS A<br>S SUBJECT TO<br>SHOUL | CONTROLLED DO<br>CHANGE AND TI<br>D BE CONTACT | - 5                          | - 2             | ECTRONICS CON<br>NEERING ORGA | PAR7                        |                    | 17JUL2           | 017            |       |        | <u>-</u> 36 K     | PT<br>TE (     | ION<br>Connectiv              | i t y       |         |        | NO              |
| DIMENSIC                              |                                                |                              |                 | NCES UNL<br>SE SPECI          | ESS<br>FIED: APVD           | ANG                | 17JUL2<br>17JUL2 | 017<br>017 NAM | AE C  |        |                   | ⊐ Harı         | isburg, F                     | PA 1710     | 5-3608  | 3      |                 |
| mm                                    |                                                | 0 PL<br>I PL<br>2 PL         | _C<br>_C        | ±-<br>±-<br>±-                | L.ZH<br>product<br>-        | SPEC               |                  |                |       |        |                   | an Er<br>pplic | nd Fee<br>ator                | a           |         |        |                 |
|                                       |                                                | 3 PL<br>4 PL<br>ANGL<br>FINI | _C<br>_C<br>_ES | ±-<br>±-<br>                  | APPLICA<br>-<br>-<br>WEIGHT | TION SPEC          |                  |                |       |        | DRAWING           | NO<br>15082    | ۰<br>۲                        |             |         | RESTRI | CTED TO         |
| -                                     |                                                |                              |                 | -                             | Custor                      | -                  | :  .             | <u>IA</u>      |       |        |                   | SCALE          |                               | HEET 1      | OF      | RE     | v .             |

SHEETS 3 & 4 ARE NOT REQUIRED FOR ATLANTIC VERSION



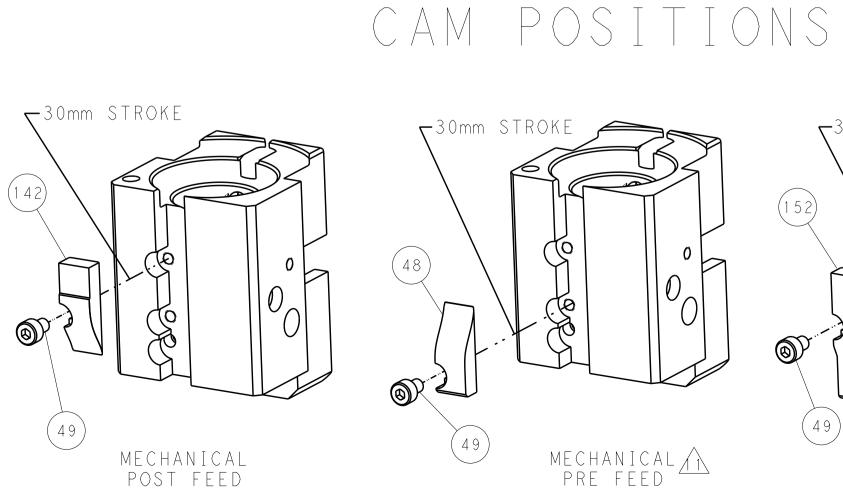
|                                                   | F | DIMENSIONS: |
|---------------------------------------------------|---|-------------|
| AILANIIC VERSION                                  |   | mm          |
| Shown on sheets 1 of 4 & 2 of 4                   |   |             |
| (Pacific version shown on sheets 3 of 4 & 4 of 4) | L |             |
|                                                   |   | MATERIAL -  |
|                                                   |   | -           |

|   | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                            | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           | 6                                     | 5                      |                        |                            | 4                                                                                                     |                                                                                            | 3                                                     |                                                                    |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------|------------------------|------------------------|----------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|
|   | C COPYRIGHT 20 BY TYCO ELECTRONICS CORPORA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | RELEASED FOR PUBLIC<br>TION. ALL RIGHTS RE                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                                       |                        |                        |                            |                                                                                                       | <b>-</b>                                                                                   |                                                       |                                                                    |
|   | PACIFIC VERSION<br>TERMINATOR<br>INTERFACE ADAPTER NUMBE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                            | SION DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FEED TYPE                 | CONVERT TO                            |                        | APPLIC                 | ATOR STYLE CO<br>PART      | NUMBERS REQU                                                                                          |                                                                                            |                                                       |                                                                    |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           | PNEUMATIC FEED                        | 2119950-1              | 2119792-2              | -                          | 2119641-2                                                                                             | -                                                                                          | 2063440-1                                             |                                                                    |
|   | 2-215082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25-1 A                                                                                                                                                                     | FINE CRIMP HEIGHT ADJUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | T MECHANICAL              | SERVO LATCH PLATE<br>SMART APPLICATOR | 2119951-1<br>2161326-1 | - 1901697-1            | 8-2150825-5<br>8-2150825-4 |                                                                                                       | -                                                                                          | 2168400-7 (QUANTITY 2)<br>-                           |                                                                    |
|   | 2-215082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25-2 A                                                                                                                                                                     | A FINE CRIMP HEIGHT ADJUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | T PNEUMATIC               | MECHANICAL FEED<br>Servo latch plate  | 2119949-1<br>2119951-1 | 2063961-1<br>1901697-1 | 5-18022-5<br>8-2150825-5   | 2119653-2                                                                                             | -                                                                                          | -<br>2168400-7 (QUANTITY 2)                           |                                                                    |
|   | 2-215082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           | SMART APPLICATOR                      | 2161326-1              | -                      | 8-2150825-4                | -                                                                                                     | -                                                                                          | -                                                     |                                                                    |
|   | 2-215082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25-5 A                                                                                                                                                                     | FINE CRIMP HEIGHT ADJUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SERVO<br>LATCH PLATE      | MECHANICAL FEED<br>PNEUMATIC FEED     | 2119949-1<br>2119950-1 | 2063961-1<br>2119792-2 | 5-18022-5                  | 2119653-2<br>2119641-2                                                                                | -                                                                                          | - 2063440-1                                           |                                                                    |
| D | 2-215082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                            | A FINE CRIMP HEIGHT ADJUS<br>CRIMP TOOLING KIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | T NONE -                  |                                       |                        |                        |                            |                                                                                                       | -                                                                                          |                                                       |                                                                    |
| C | APPLICATOR DATA<br>CRIMP SIZE TYP<br>WIRE 2.79 mm [.110] F<br>INSUL 3.50 mm [.138] F<br>APPL INSTRUCTIONS<br>408-10390<br>TERMINAL DATA: DELPHI TERMIN<br>TERMINAL NAME: LAMP SOCK<br>WIRE STRIP LENGTH<br>3.51-4.27 mm [.138168 IN]<br>TERMINAL<br>02989637 PAGE<br>APPLICATION<br>SPECIFICATION<br>TE RMINALS APPLIED<br>TE TERMINAL<br>DELPHI TERMIN<br>2113035-1<br>02989637<br>WIRE<br>SIZE CRIMP HEI<br>mm [INCH]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AL DELPHI<br>ET TERM                                                                                                                                                       | INAL<br>SULATION DIAMETER RANGE<br>00-2.70 mm [.079106 IN]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |                                       |                        |                        |                            |                                                                                                       |                                                                                            |                                                       |                                                                    |
| В | 1.00mm2       1.50+/-0.05         0.80mm2       1.40+/-0.05         0.50mm2       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05         1.35+/-0.05       1.35+/-0.05 | [.059+/00<br>[.055+/00<br>[.053+/00<br>[.053+/00<br>TS<br>ES LIGHTLN<br>HE APPLICA<br>HE APPLICA<br>ATA TO BE<br>DR PART NU<br>TH "SMART A<br>INE CRIMP<br>[PPER MAY       | A CONTRUCTION<br>TOR INSTRUCTION<br>TOR INSTRUCTION<br>TOR.<br>ENTERED INTO BLANK MEMORY CHIP<br>MBER:<br>APPLICATOR" CONVERSION: 8-21508<br>PPLICATOR" CONVERSION: 8-21508<br>HEIGHT ADJUST": 8-21508<br>HEIGHT ADJUS | 25-4<br>25-4              |                                       |                        | LARGES<br>BELOW        | TALLATION<br>T WIRE SI     | ZE SETTI<br>Required (                                                                                | NG. USE<br>CRIMP H                                                                         | , ITEM 40 TO<br>OF SETTINGS<br>EIGHT SETTING<br>LING. |                                                                    |
| A | <ul> <li>APPLY PART NUMBER 1-2<br/>APPLY PART NUMBER 2-2</li> <li>GREASE THREADS, GROOV</li> <li>MAGNET, ITEM 166 MUST<br/>ACTUATE THE COUNTER.</li> <li>CRIMP HEIGHT REFERENC<br/>APPLICATOR WAS QUALIFY<br/>NECESSARY WHEN RUNNING</li> <li>SPARE FEED CAM STORAG<br/>FOR ADDITIONAL INFORMA</li> <li>SPARE FEED CAM STORAG<br/>FOR ADDITIONAL INFORMA</li> <li>THE RECOMMENDED SET-UP<br/>ITEM 2119653-1. THE AF<br/>ITEM 2119652-1 BUT MAY</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3419-5 LOC<br>23419-6 LO<br>E AND O-RI<br>BE ORIENT<br>E SETTING<br>IED AT THE<br>G APPLICAT<br>E LOCATION<br>ATION.<br>FOR END F<br>PPLICATOR<br>( ENCOUNTE<br>AL JAMMING | CTITE TO THREADS OF ITEMS 62 &<br>OCTITE TO THREADS OF ITEM 242.<br>ING ON ITEMS 139 & 153.<br>TED CORRECTLY IN ORDER TO PROPER<br>WAS THE SETTING USED WHEN THE<br>FACTORY. ADJUSTMENT MAY BE<br>FOR IN THE FIELD.<br>N REFER TO INSTRUCTION SHEET<br>FEED APPLICATORS IS POST-FEED W<br>CAN BE CONFIGURED FOR PRE-FEED<br>R PROBLEMS WITH SOME APPLICATION<br>MAY OCCUR IN THE PRE-FEED CONF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RLΥ<br>ITH<br>WITH<br>NS. |                                       | ( A +                  |                        | PACI<br>hown on s          | 0-1 PUSH ROD<br>9-1 BUSHING<br>9-3 SPRING,<br>2-7 CAM, SN/<br>4-1 WASHER,<br>NO<br>FICVE<br>heets 3 c | D, AIR FEED<br>FLANGED<br>COMPRESSION<br>AIL, INSULATI<br>WAVE SPRING,<br>DESCRIF<br>ERSIC |                                                       | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |

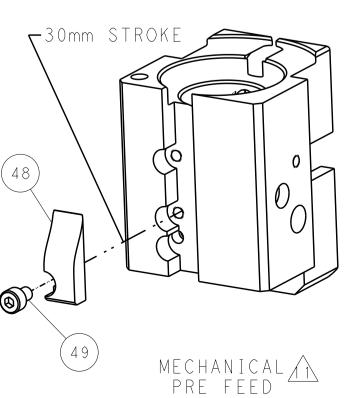
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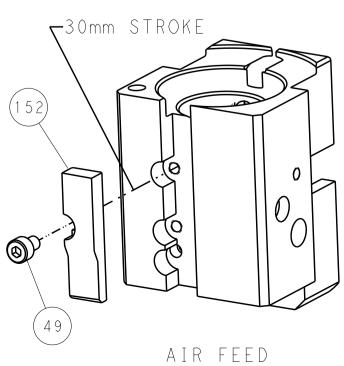
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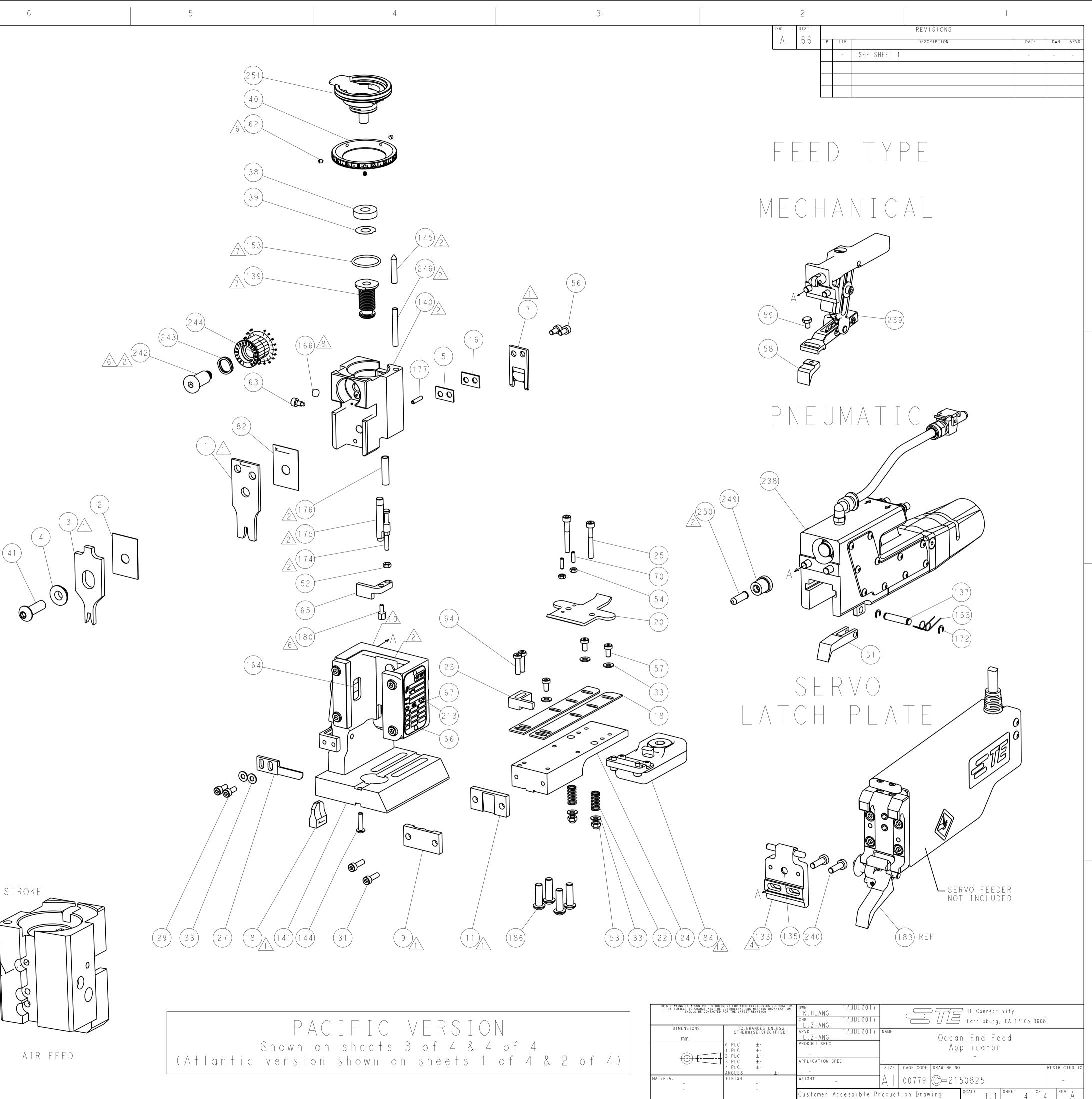
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|-----------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------|--------------------------------------------------------------------------------------------|-----------------|---|
| SET UP GAUGE<br>2119599-2                                                                                 | LOC DIST<br>A 66                        | P LTR                 | REVISIONS<br>DESCRIPTION DATE                                                              | DWN APVD        |   |
|                                                                                                           |                                         | -                     | SEE SHEET 1 -                                                                              |                 |   |
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| 2                                                                                                         | 21684                                   |                       | SHCS, LOW HEAD, Rohs, M5 X 10<br>MECHANICAL FEED ASSEMBLY                                  | 240             |   |
| - <u>1</u> -                                                                                              | 20634                                   |                       | AIR FEED MODULE<br>TAG,IDENTIFICATION                                                      | 238             |   |
| 4 4 4                                                                                                     | 20793                                   | 883-9                 | SCR, BHSC, RoHS (M6 X 20)                                                                  | 186             |   |
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| 2 2 2<br>2 2 2                                                                                            | 21680                                   | 83-2<br>30-1          | SCR, SKT HD CAP, RoHS, M4 X 8.0<br>NUT, HEX, REG, RoHS, M3                                 | 56<br>54        |   |
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| 2 2 2                                                                                                     | 2-2168                                  | 8083-5                | SCR, SKT HD CAP, RoHS, M4 X 14                                                             | 31              | В |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$                                                     | 2408                                    | 25-1                  | PLATE, STRIP HOLD DOWN                                                                     | 23              |   |
| 2         2         2           1         1         1                                                     | 2-222                                   | 281-3<br>292-4        | SPRING, COMPRESSION<br>DRAG                                                                | 22              |   |
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| 1         1         1           1         1         1         1                                           | 18034                                   |                       | ANVIL, COMBINATION, END FEED<br>BLADE, SLUG                                                | 8               |   |
|                                                                                                           | -                                       |                       | -                                                                                          | 6               |   |
|                                                                                                           | 2 - 2 4 0                               | -                     | SPACER<br>BLOCK, FL CRIMPER SPACER                                                         | 5               |   |
| 1         1         1           1         1         1         1                                           | 1 - 1803<br>4558                        |                       | CRIMPER, INSULATION F<br>SPACER, CRIMPER                                                   | 3               |   |
| 1 1 1                                                                                                     | 6 - 456                                 |                       | CRIMPER, WIRE PREMIUM                                                                      | 1               |   |
| - 2 5 - 2 2 - 2 1                                                                                         |                                         |                       |                                                                                            | I T E M<br>N O  | А |
| DOCUMENT FOR TYCO ELECTRONICS<br>THE CONTOLLING ENGINEERING OR<br>TED FOR THE LATEST REVISION.            | Снк                                     | <u>ang</u> 17.<br>Ang | JUL 2017<br>JUL 2017<br>Harrisburg, PA 17105-3608                                          |                 |   |
| TOLERANCES UN<br>OTHERWISE SPEC                                                                           | LESS<br>IFIED: APVD<br>L.ZH/<br>PRODUCT | ANG 17.               | Ocean End Feed<br>Applicator                                                               |                 |   |
| $\begin{array}{c c} 1 & PLC & \pm - \\ 2 & PLC & \pm - \\ 3 & PLC & \pm - \\ 4 & PLC & \pm - \end{array}$ | -<br>APPLICAT                           | ION SPEC              | Applicator<br>                                                                             | STRICTED TO     |   |
| ANGLES<br>FINISH                                                                                          | ±<br>WEIGHT                             | -                     | A   00779 C-2150825                                                                        | -               |   |
|                                                                                                           | Custon                                  |                       | sible Production Drawing scale 1:1 sheet 3 of 4<br>S 1 & 2 ARE NOT REQUIRED FOR PACIFIC VI | rev A<br>ERSION |   |



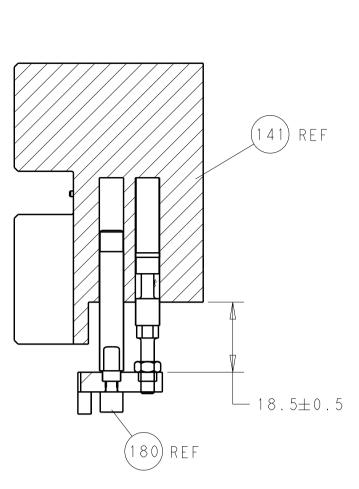
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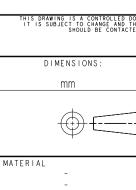




## HOLDDOWN SET-UP







SHEETS 1 & 2 ARE NOT REQUIRED FOR PACIFIC VERSION