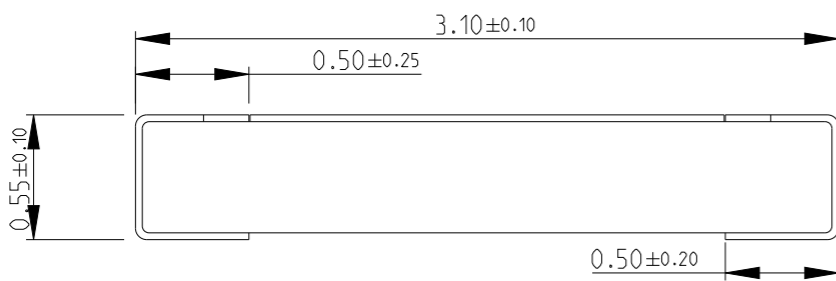
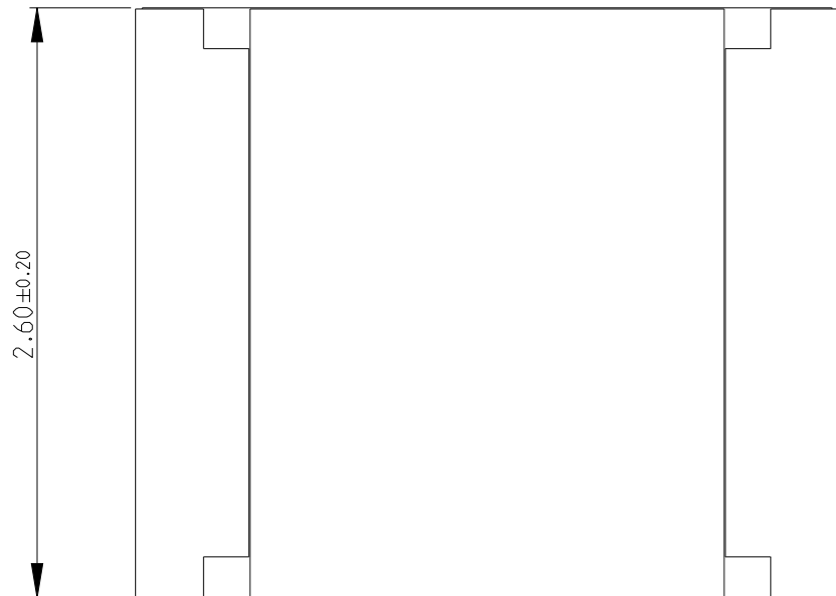
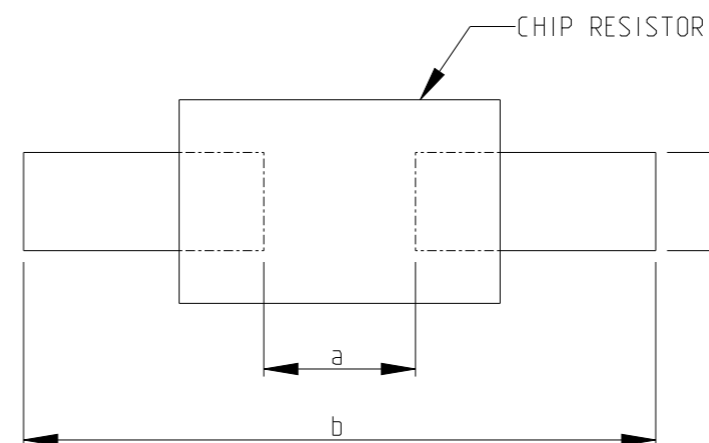


| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------------------------|-----------|-----|------|
| | A | NEW DRAWING | 21MAY2018 | GCM | AP |
| | A1 | PCB LAYOUT AND SCHEDULE ADDED | 24JAN2023 | DM | AP |
| | BA | PN 6-2176345-2 ADDED | 13FEB2025 | RS | GT |



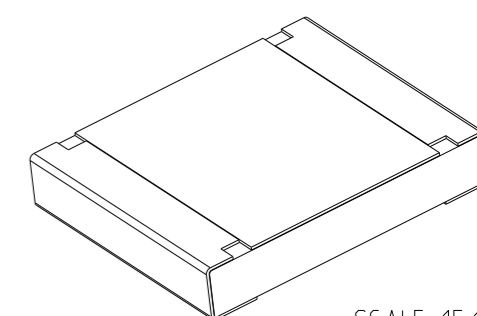
RECOMMENDED PCB LAYOUT PLAN



| TYPE | a (mm) | b (mm) | c (mm) |
|------|--------------|--------------|--------------|
| 1210 | 1.90 to 2.10 | 4.10 to 4.30 | 2.50 to 2.70 |


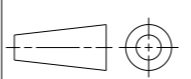
NOTES:

- FOR FURTHER INFORMATION SEE DATA SHEET FOR CRGCQ SERIES SMD AEC-Q200 THICK FILM CHIP RESISTORS



SCALE 15:1

RoHS Compliant

| | | | | | |
|---------------------------------------------------------------------------------------|--|----------------------------------------|-----------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN | 21MAY2018 |  TE Connectivity | |
| | | CHK | 21MAY2018 | | |
| | | APVD | 21MAY2018 | | |
| | | ALLAN.P | ALLAN.P | | |
| DIMENSIONS: mm | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | NAME | |
|  | | 0 PLC ±0.5 | | SMD AEC-Q200 COMPLIANT THICK FILM CHIP RESISTOR TYPE CRGCQ 1210 SERIES | |
| | | 1 PLC ±0.2 | | - | |
| | | 2 PLC ±0.1 | | APPLICATION SPEC | |
| | | 3 PLC ± | | - | |
| 4 PLC ± | | ANGLES ±5° | | SIZE | |
| MATERIAL | | FINISH | | CAGE CODE | |
| - | | - | | 00779 | |
| | | WEIGHT | | DRAWING NO | |
| | | - | | C=2176345 | |
| | | CUSTOMER DRAWING | | RESTRICTED TO | |
| | | | | - | |
| | | SCALE | | SHEET | |
| | | 30:1 | | 1 OF 2 | |
| | | | | REV | |
| | | | | BA | |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
| | - | SEE SHEET 1 | - | - | - |
| | | | | | |
| | | | | | |

SCHEDULE

| TCPN | CATALOGUE NUMBER | PART DESCRIPTION | PART STATUS |
|-------------|------------------|--------------------|-------------|
| 2176345-1 | CRGCQ1210F10R | CRGCQ 1210 10R 1% | PRODUCTION |
| 2176345-2 | CRGCQ1210F12R | CRGCQ 1210 12R 1% | PRODUCTION |
| 2176345-3 | CRGCQ1210F15R | CRGCQ 1210 15R 1% | PRODUCTION |
| 2176345-4 | CRGCQ1210F18R | CRGCQ 1210 18R 1% | PRODUCTION |
| 2176345-5 | CRGCQ1210F22R | CRGCQ 1210 22R 1% | PRODUCTION |
| 2176345-6 | CRGCQ1210F27R | CRGCQ 1210 27R 1% | PRODUCTION |
| 2176345-7 | CRGCQ1210F33R | CRGCQ 1210 33R 1% | PRODUCTION |
| 2176345-8 | CRGCQ1210F39R | CRGCQ 1210 39R 1% | PRODUCTION |
| 2176345-9 | CRGCQ1210F47R | CRGCQ 1210 47R 1% | PRODUCTION |
| 1-2176345-0 | CRGCQ1210F56R | CRGCQ 1210 56R 1% | PRODUCTION |
| 1-2176345-1 | CRGCQ1210F68R | CRGCQ 1210 68R 1% | PRODUCTION |
| 1-2176345-2 | CRGCQ1210F82R | CRGCQ 1210 82R 1% | PRODUCTION |
| 1-2176345-3 | CRGCQ1210F100R | CRGCQ 1210 100R 1% | PRODUCTION |
| 1-2176345-4 | CRGCQ1210F120R | CRGCQ 1210 120R 1% | PRODUCTION |
| 1-2176345-5 | CRGCQ1210F150R | CRGCQ 1210 150R 1% | PRODUCTION |
| 1-2176345-6 | CRGCQ1210F180R | CRGCQ 1210 180R 1% | PRODUCTION |
| 1-2176345-7 | CRGCQ1210F220R | CRGCQ 1210 220R 1% | PRODUCTION |
| 1-2176345-8 | CRGCQ1210F270R | CRGCQ 1210 270R 1% | PRODUCTION |
| 1-2176345-9 | CRGCQ1210F330R | CRGCQ 1210 330R 1% | PRODUCTION |
| 2-2176345-0 | CRGCQ1210F390R | CRGCQ 1210 390R 1% | PRODUCTION |
| 2-2176345-1 | CRGCQ1210F470R | CRGCQ 1210 470R 1% | PRODUCTION |
| 2-2176345-2 | CRGCQ1210F560R | CRGCQ 1210 560R 1% | PRODUCTION |
| 2-2176345-3 | CRGCQ1210F680R | CRGCQ 1210 680R 1% | PRODUCTION |
| 2-2176345-4 | CRGCQ1210F820R | CRGCQ 1210 820R 1% | PRODUCTION |
| 2-2176345-5 | CRGCQ1210F1K0 | CRGCQ 1210 1K0 1% | PRODUCTION |
| 2-2176345-6 | CRGCQ1210F1K2 | CRGCQ 1210 1K2 1% | PRODUCTION |
| 2-2176345-7 | CRGCQ1210F1K5 | CRGCQ 1210 1K5 1% | PRODUCTION |
| 2-2176345-8 | CRGCQ1210F1K8 | CRGCQ 1210 1K8 1% | PRODUCTION |
| 2-2176345-9 | CRGCQ1210F2K2 | CRGCQ 1210 2K2 1% | PRODUCTION |
| 3-2176345-0 | CRGCQ1210F2K7 | CRGCQ 1210 2K7 1% | PRODUCTION |

SCHEDULE

| TCPN | CATALOGUE NUMBER | PART DESCRIPTION | PART STATUS |
|-------------|------------------|-----------------------------|-------------|
| 3-2176345-1 | CRGCQ1210F3K3 | CRGCQ 1210 3K3 1% | PRODUCTION |
| 3-2176345-2 | CRGCQ1210F3K9 | CRGCQ 1210 3K9 1% | PRODUCTION |
| 3-2176345-3 | CRGCQ1210F4K7 | CRGCQ 1210 4K7 1% | PRODUCTION |
| 3-2176345-4 | CRGCQ1210F5K6 | CRGCQ 1210 5K6 1% | PRODUCTION |
| 3-2176345-5 | CRGCQ1210F6K8 | CRGCQ 1210 6K8 1% | PRODUCTION |
| 3-2176345-6 | CRGCQ1210F8K2 | CRGCQ 1210 8K2 1% | PRODUCTION |
| 3-2176345-7 | CRGCQ1210F10K | CRGCQ 1210 10K 1% | PRODUCTION |
| 3-2176345-8 | CRGCQ1210F12K | CRGCQ 1210 12K 1% | PRODUCTION |
| 3-2176345-9 | CRGCQ1210F15K | CRGCQ 1210 15K 1% | PRODUCTION |
| 4-2176345-0 | CRGCQ1210F18K | CRGCQ 1210 18K 1% | PRODUCTION |
| 4-2176345-1 | CRGCQ1210F22K | CRGCQ 1210 22K 1% | PRODUCTION |
| 4-2176345-2 | CRGCQ1210F27K | CRGCQ 1210 27K 1% | PRODUCTION |
| 4-2176345-3 | CRGCQ1210F33K | CRGCQ 1210 33K 1% | PRODUCTION |
| 4-2176345-4 | CRGCQ1210F39K | CRGCQ 1210 39K 1% | PRODUCTION |
| 4-2176345-5 | CRGCQ1210F47K | CRGCQ 1210 47K 1% | PRODUCTION |
| 4-2176345-6 | CRGCQ1210F56K | CRGCQ 1210 56K 1% | PRODUCTION |
| 4-2176345-7 | CRGCQ1210F68K | CRGCQ 1210 68K 1% | PRODUCTION |
| 4-2176345-8 | CRGCQ1210F82K | CRGCQ 1210 82K 1% | PRODUCTION |
| 4-2176345-9 | CRGCQ1210F100K | CRGCQ 1210 100K 1% | PRODUCTION |
| 5-2176345-0 | CRGCQ1210F120K | CRGCQ 1210 120K 1% | PRODUCTION |
| 5-2176345-1 | CRGCQ1210F150K | CRGCQ 1210 150K 1% | PRODUCTION |
| 5-2176345-2 | CRGCQ1210F180K | CRGCQ 1210 180K 1% | PRODUCTION |
| 5-2176345-3 | CRGCQ1210F220K | CRGCQ 1210 220K 1% | PRODUCTION |
| 5-2176345-4 | CRGCQ1210F270K | CRGCQ 1210 270K 1% | PRODUCTION |
| 5-2176345-5 | CRGCQ1210F330K | CRGCQ 1210 330K 1% | PRODUCTION |
| 5-2176345-6 | CRGCQ1210F390K | CRGCQ 1210 390K 1% | PRODUCTION |
| 5-2176345-7 | CRGCQ1210F470K | CRGCQ 1210 470K 1% | PRODUCTION |
| 5-2176345-8 | CRGCQ1210F560K | CRGCQ 1210 560K 1% | PRODUCTION |
| 5-2176345-9 | CRGCQ1210F680K | CRGCQ 1210 680K 1% | PRODUCTION |
| 6-2176345-0 | CRGCQ1210F820K | CRGCQ 1210 820K 1% | PRODUCTION |
| 6-2176345-1 | CRGCQ1210F1M0 | CRGCQ 1210 1M0 1% | PRODUCTION |
| 6-2176345-2 | CRGCQ1210F120RV | CRGCQ 1210 120R 1% 100K MOQ | PRODUCTION |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN GANESH C M 21MAY2018

CHK ALLAN.P 21MAY2018

APVD ALLAN.P 21MAY2018

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING



TE Connectivity

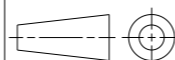
NAME SMD AEC-Q200 COMPLIANT THICK FILM CHIP RESISTOR TYPE CRGCQ 1210 SERIES

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C-2176345

SCALE 30:1 SHEET 2 OF 2 REV BA

DIMENSIONS: mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

- 0 PLC ±0.5
- 1 PLC ±0.2
- 2 PLC ±0.1
- 3 PLC ±
- 4 PLC ±
- ANGLES ±°
- FINISH

MATERIAL

-