

EXTRACTION TOOL	TIP ASSEMBLY				SOCKET CONTACT	
	PART NUMBER	TIP HOLDER	TIP	TIP DIAMETER (mm [In.])	SERIES	PIN DIAMETER RANGE (mm [In.])
69729	69728	306808-1	306810-1	0.41 [.016]	1 and 2	0.25-0.66 [.010-.026]
	69728-1	306808-2	306810-2	0.61 [.024]	3	0.56-0.84 [.022-.033]
	69728-2	306808-3	306810-3	0.81 [.032]	4	0.76-1.04 [.030-.041]
	69728-3	306808-4	306810-4	1.09 [.043]	5	1.07-1.85 [.042-.065]

Figure 1

1. INTRODUCTION

Knock-Out Plug Extraction Tool 69729 and Tip Assemblies 69728-[] are used to remove the knock-out plug from miniature spring socket contacts mounted on a printed circuit (pc) board.



Dimensions in this instruction sheet are in millimeters [with inches in brackets]. Figures are not drawn to scale.

For detailed information on the socket contacts, refer to Application Specification 114-13152.

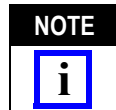
Reasons for reissue of this instruction sheet are provided in Section 6, REVISION SUMMARY.

2. DESCRIPTION

The extraction tool consists of a handle and an automatic center-punch. Each tip assembly consists of a tip holder and a tip.

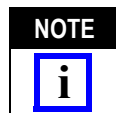
The tip assemblies are interchangeable; however, the tips are not interchangeable. Refer to Figure 1.

3. USING THE TOOL



The extraction tool and tip assembly are coated with a preservative to prevent rust and corrosion. Wipe this oil from the tip before use.

1. Refer to Figure 1 and select the correct tip assembly.



The tip assembly must correspond to the socket contact series.

2. Thread the tip assembly into the tip of the extraction tool. Make sure that the tip is straight.

3. Support the pc board, taking care to avoid interference with the knock-out plug of the socket contact during removal.

4. Hold the extraction tool perpendicular to the printed circuit board and insert the tip into the socket contact. Make sure that the tip is straight in the socket contact. See Figure 2.

5. Depress the extraction tool until there is an audible "click" and the knock-out plug is removed from the socket contact.

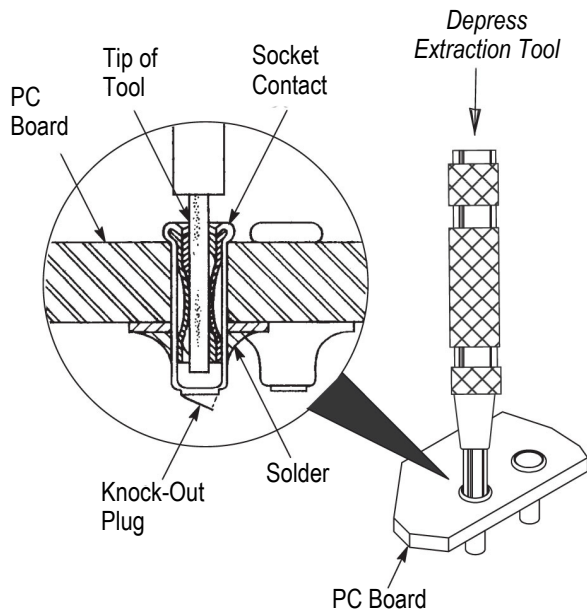


Figure 2

4. INSPECTION

The extraction tool and tip assembly should be inspected periodically to ensure that they have not become damaged. They should be kept clean by wiping them with a soft cloth and should be stored in a clean, dry area when not in use.

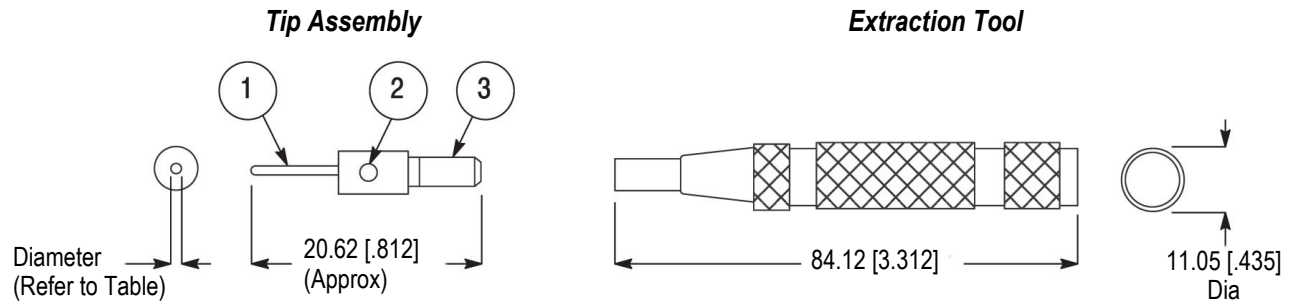
5. REPLACEMENT AND REPAIR

Customer-replaceable parts are listed in Figure 3. A complete inventory should be stocked and controlled to prevent lost time when replacement of parts is necessary. The extraction tool and tip assemblies are not repairable. Order replacement parts or tools and tip assemblies through your representative, or call 1-800-526-5142, or send a facsimile of your purchase order to 717-986-7605, or write to:

CUSTOMER SERVICE (038-035)
 TYCO ELECTRONICS CORPORATION
 PO BOX 3608
 HARRISBURG PA 17105-3608

6. REVISION SUMMARY

Since the previous release of this document, the TE logo has been applied.



REPLACEMENT PARTS

ITEM	PART NUMBER	DESCRIPTION	QTY PER TIP ASSEMBLY
1	306810-1	TIP, .016 Diameter	1
	306810-2	TIP, .024 Diameter	
	306810-3	TIP, .032 Diameter	
	306810-4	TIP, .043 Diameter	
2	306808-1	TIP HOLDER, For .016 Diameter Tip	1
	306808-2	TIP HOLDER, For .024 Diameter Tip	
	306808-3	TIP HOLDER, For .032 Diameter Tip	
	306808-4	TIP HOLDER, For .043 Diameter Tip	
3	21080-1	SETSCREW, Socket Head, 2 X 56 .062 In.	2

Figure 3