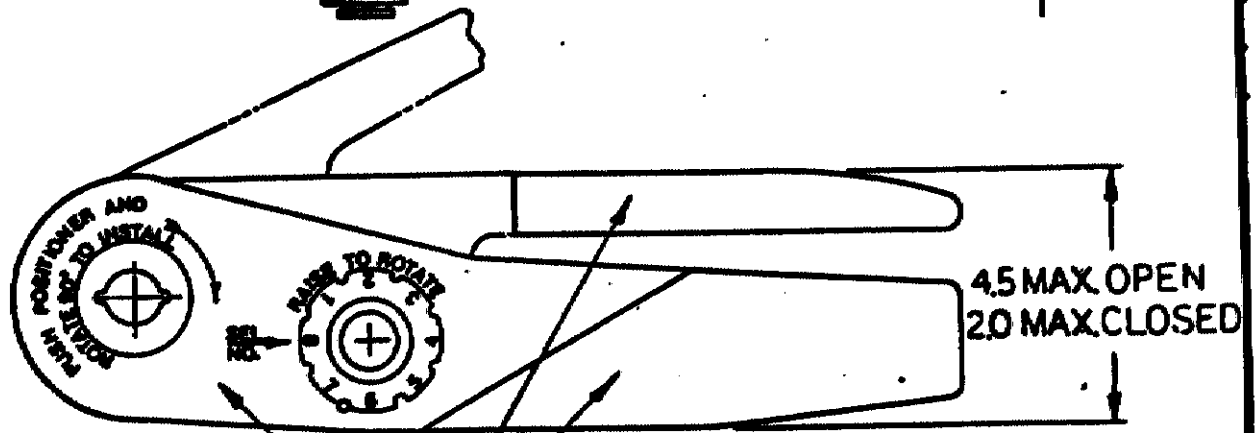
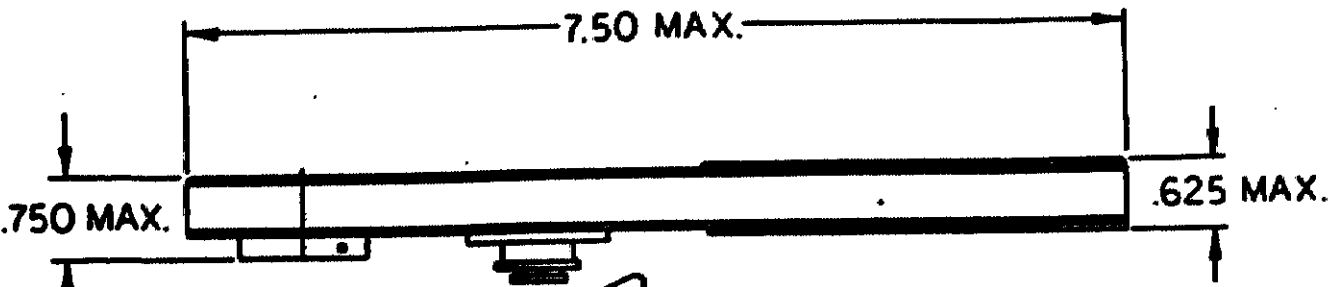


USED ON



BLUE

AMP ENGINEERING

MAR 20 1988

ISSUED BY

THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITIONS THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHERS WITHOUT WRITTEN AUTHORIZATION FROM AMP PRODUCTS CORP., VALLEY FORGE, PA, U. S. A.

DO NOT SCALE DRAWING

| DIE CLOSURE | | |
|-------------|-------|-------|
| SEL. | GO | NO-GO |
| 8 | .0390 | .0440 |
| 7 | .0340 | .0390 |
| 6 | .0300 | .0350 |
| 5 | .0260 | .0310 |
| 4 | .0220 | .0270 |
| 3 | .0190 | .0240 |
| 2 | .0160 | .0210 |
| 1 | .0130 | .0180 |

CUSTOMER DRAWING UNPUBLISHED

601966-1 CRIMPING TOOL, AS SHOWN

| | | | | | |
|------|----|---|--|----------------------------------|------------|
| D | 58 | DWG SIZE | PART NO | DESCRIPTION | ITEM NO |
| | | | | | |
| DIST | 1 | REVISION OF EACH ASSY NO (WHEN BLANK, USE DWG REVISION) | | | |
| | | PARTS LIST | | | |
| | | QTY REQD PER ASSY | MATERIAL | HEAT TREAT | FINISH |
| | | | # | # | # |
| | | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | OR Ray J. 6-9-88 | AP 6-9-88 |
| | | | DECIMALS: | W. Weener 6/12/88 | REL 320-89 |
| | | | .00 = ± .00 | AMP PRODUCTS CORPORATION | |
| | | | .000 = ± .000 | Valley Forge, PA 19482 | |
| | | | .0000 = ± .0000 | A Subsidiary of AMP Incorporated | |
| | | | ANGLES: 30° 30' | NAME CRIMPING TOOL | |
| | | | FRACTIONS: ± 1/64 | M22520/2-01 | |
| | | | REMOVE BURRS | | |
| | | | SCALE | DWG NO | SHEET |
| | | | A | 601966-1 | # |
| | | | REVISION RECORD | APP. DATE | REV |
| | | | | | 0 |

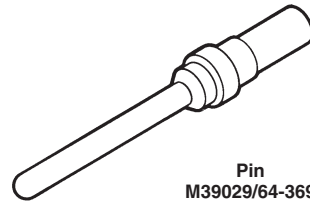
Note: All part numbers are RoHS Compliant.

Signal Contacts (Continued)

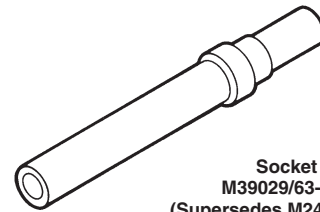
Size 20 DM, Screw-Machined, Crimp Contacts

Pin Diameter—.040 [1.02]

Test Current*—7.5 amperes (Single contact, free-air test current; not to be construed as contact rating current. Use only for testing.)



Pin
M39029/64-369
(Supersedes M24308/11-1)



Socket
M39029/63-368
(Supersedes M24308/10-1)

Material and Finish

Pin Body—Copper alloy per QQ-B-626

Socket Body—Beryllium copper per QQ-C-530

Socket Sleeve—Passivated stainless steel per QQ-S-766

Plating pin and socket body—.000050-.000100 [0.00127-0.00254] min. gold over .000100-.000150 [0.00254-0.00381] min. copper

Gold plating per MIL-G-45204
Copper plating per MIL-C-14550

Type 20 DF, Solder Contacts

Pin Diameter—.040 [1.02]

Test Current*—7.5 amperes (Single contact, free-air test current; not to be construed as contact rating current. Use only for testing.)

Material and Finish

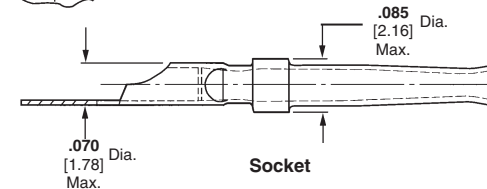
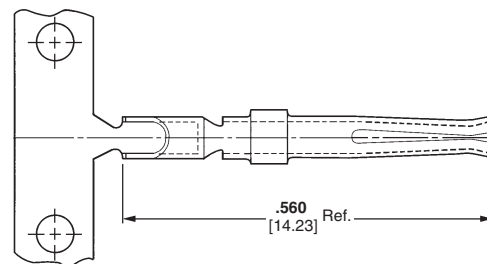
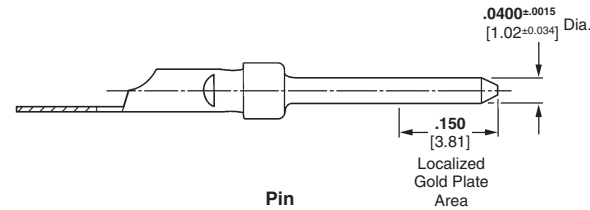
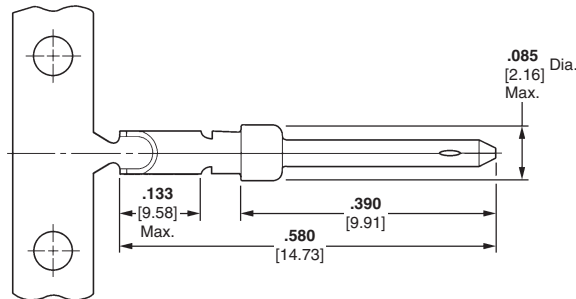
Pin—Brass, plated gold flash over nickel on entire contact with additional .000030 [0.00076] min. gold on mating end

Socket—Phosphor bronze, plated gold flash over nickel on entire contact with additional .000030 [0.00076] min. gold on mating end

***Note:** Total current capacity of each contact in a given connector is dependent on the heat rise resulting from the combination of electrical loads of all contacts in the connector arrangement and the maximum ambient temperature in which the connector will be operating. See page 8.

| Wire Size Range ¹ AWG mm ² | Ins. Dia. (Max.) | Contact Configuration | Tape Mounted Contacts ² Part No. | Loose Piece Contacts | | Hand Tool Nos. | | Positioner Nos. | |
|---|---------------------|-----------------------|--|-----------------------|----------|-------------------|----------|-------------------|----------|
| | | | | Military No. (M39029) | Part No. | Military (M22520) | Part No. | Military (M22520) | Part No. |
| 24-20 | 0.2-0.6 | Pin | 205089-2 | 64-369 | 205089-1 | 02-01 | 601966-1 | 2-08 | 601966-5 |
| | .068 1.73 | Socket | 205090-2 | 63-368 | 205090-1 | | | | |

¹Overall insulation crimp diameter, including crimp barrel, must not exceed .125 [3.18].
².000015 [0.00038] gold in the mating area over .000050 [0.00127] nickel.



| Strip Form Contact No. | | Loose Piece Contact No. | |
|------------------------|---------|-------------------------|---------|
| Pin | Socket | Pin | Socket |
| 66570-2 | 66569-2 | 66570-3 | 66569-3 |

Note: Contacts to be soldered to wire before being inserted into housing, 18 AWG [0.8 - 0.9 mm²] max. wire size.