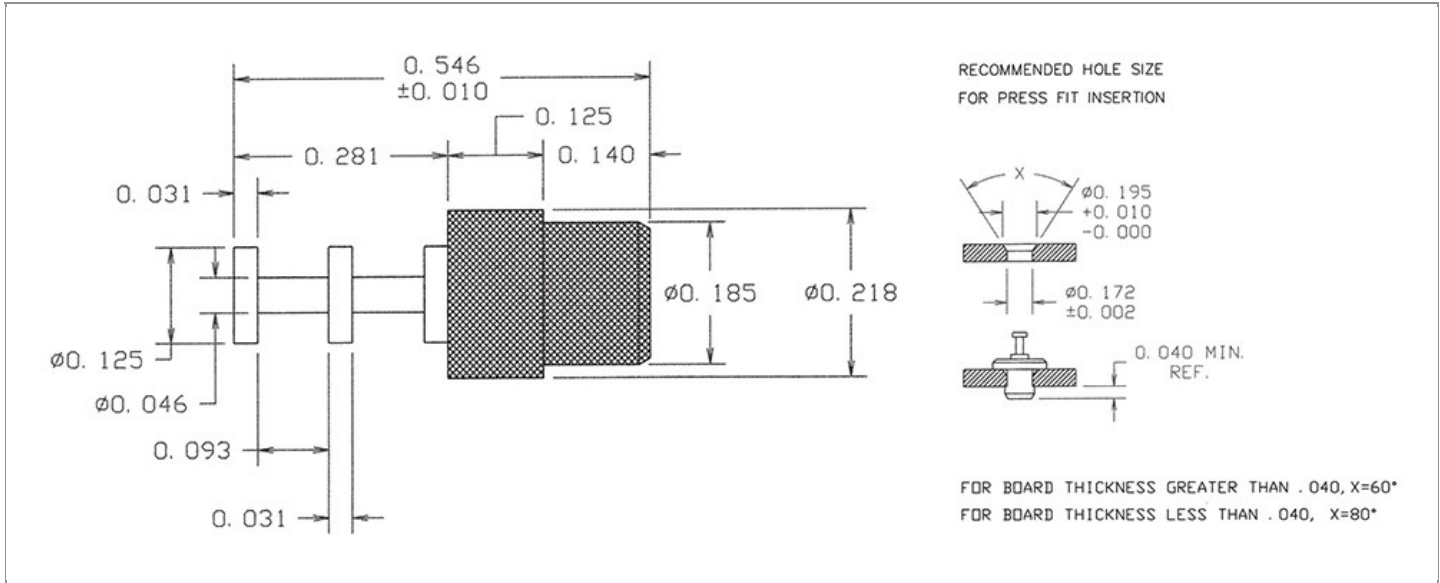


|                        |                                       |
|------------------------|---------------------------------------|
| <b>DRAWING NUMBER:</b> | <b>1102-78-XXXX</b>                   |
| <b>PRODUCT GROUP:</b>  | TERMINALS                             |
| <b>SUB-GROUP:</b>      | COMMERCIAL INSULATED TERMINALS        |
| <b>DESCRIPTION:</b>    | PTFE INSULATED DOUBLE TURRET TERMINAL |



| OVERALL LENGTH | PIN DIAMETER | FEED THRU COMBINATION | BOARD / PANEL MOUNTING METHOD |
|----------------|--------------|-----------------------|-------------------------------|
| 0.546"         | N/A          | N/A                   | PRESS FIT                     |

| SHANK LENGTH (L) | BOARD / PANEL THICKNESS | MOUNTING HOLE SIZE | DRILL SIZE |
|------------------|-------------------------|--------------------|------------|
| N/A              | UP TO 3/32"             | 0.172" ± 0.002     | 11/64"     |

**PART NO. STRUCTURE:**

|             |   |           |   |           |                  |
|-------------|---|-----------|---|-----------|------------------|
| <b>1102</b> | - | <b>78</b> | - | <b>XX</b> | <b>XX</b>        |
| PART SERIES |   | DIMENSION |   | FINISH    | INSULATION COLOR |

**MATERIAL OPTIONS:**

**1102-78-XXXX**

| COMPONENT         | MATERIAL | MATERIAL AND SPECIFICATION                 |
|-------------------|----------|--|
| TERMINAL          | BRASS    | BRASS PER ASTM B16, ALLOY C36000, 1/2 HARD |
| BASE/METAL SLEEVE | N/A      | N/A  |
| INSULATION*       | PTFE     | PTFE PER ASTM D1710                        |
| NUT               | N/A      | N/A  |
| WASHER            | N/A      | N/A  |

\*For Insulation color, please see INSULATION COLOR OPTIONS on Page 3

## FINISH - PLATING OPTIONS:

1102-78-XXXX

| FINISH CODE | COMPONENT         | FINISH             | FINISH AND SPECIFICATION  |
|-------------|-------------------|--------------------|---|
| 01          | TERMINAL          | SILVER             | 0.000300"MIN. SILVER PER ASTM B700, TYPE 2, GRADE D WITH A NON-CHROMATE PRESERVATIVE TREATMENT          |
|             | BASE/METAL SLEEVE | N/A                | N/A   |
|             | NUT               | N/A                | N/A   |
|             | WASHER            | N/A                | N/A   |
| 03          | TERMINAL          | GOLD               | 0.000010"MIN. GOLD PER ASTM B488, TYPE II, CODE C OVER 0.000100"MIN. NICKEL PER SAE-AMS-QQ-N-290        |
|             | BASE/METAL SLEEVE | N/A                | N/A   |
|             | NUT               | N/A                | N/A   |
|             | WASHER            | N/A                | N/A   |
| 04          | TERMINAL          | ELECTRO-TIN        | 0.000300"MIN. ELECTRO-TIN PER ASTM B545 OVER 0.000100"MIN. NICKEL PER SAE-AMS-QQ-N-290                  |
|             | BASE/METAL SLEEVE | N/A                | N/A   |
|             | NUT               | N/A                | N/A   |
|             | WASHER            | N/A                | N/A   |
| 044         | TERMINAL          | BRIGHT ELECTRO-TIN | 0.000300"MIN. BRIGHT ELECTRO-TIN PER ASTM B545 OVER 0.000100"MIN. NICKEL PER SAE-AMS-QQ-N-290           |
|             | BASE/METAL SLEEVE | N/A                | N/A   |
|             | NUT               | N/A                | N/A   |
|             | WASHER            | N/A                | N/A   |
| 05          | TERMINAL          | ELECTRO-SOLDER     | 0.000300"MIN. ELECTRO-SOLDER PER SAE-AMS-P-81728 OVER 0.000100"MIN. NICKEL PER SAE-AMS-QQ-N-290         |
|             | BASE/METAL SLEEVE | N/A                | N/A   |
|             | NUT               | N/A                | N/A   |
|             | WASHER            | N/A                | N/A   |
| 088         | TERMINAL          | BRIGHT TIN-LEAD    | 0.000300"MIN. BRIGHT TIN-LEAD (Sn93%-Pb7%) PER ASTM B545 OVER 0.000100"MIN. NICKEL PER SAE-AMS-QQ-N-290 |
|             | BASE/METAL SLEEVE | N/A                | N/A   |
|             | NUT               | N/A                | N/A   |
|             | WASHER            | N/A                | N/A   |

INSULATION COLOR OPTIONS:

1102-78-XX **XX**

| INSULATION COLOR | BLACK | BLUE | BROWN | GRAY | GREEN | ORANGE | RED | VIOLET | WHITE | YELLOW |
|------------------|-------|------|-------|------|-------|--------|-----|--------|-------|--------|
| COLOR CODE NO.   | 10    | 16   | 11    | 18   | 15    | 13     | 12  | 17     | 19    | 14     |

TOLERANCES:\*

| DECIMAL | FRACTIONAL | ANGULAR | DRAWING ORIGATION DATE | LAST MODIFICATION DATE |
|---------|------------|---------|------------------------|------------------------|
| ± 0.005 | ± 1/64     | ± 5 °   | 10/18/2000             | 3/1/2017               |

\*All dimensions are in inches.

RoHS COMPLIANCE:

1102-78-01XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 1102-78-0110 | YES            |
| 1102-78-0111 | NO             |
| 1102-78-0112 | NO             |
| 1102-78-0113 | NO             |
| 1102-78-0114 | NO             |
| 1102-78-0115 | YES            |
| 1102-78-0116 | YES            |
| 1102-78-0117 | YES            |
| 1102-78-0118 | NO             |
| 1102-78-0119 | YES            |

1102-78-03XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 1102-78-0310 | YES            |
| 1102-78-0311 | NO             |
| 1102-78-0312 | NO             |
| 1102-78-0313 | NO             |
| 1102-78-0314 | NO             |
| 1102-78-0315 | YES            |
| 1102-78-0316 | YES            |
| 1102-78-0317 | YES            |
| 1102-78-0318 | NO             |
| 1102-78-0319 | YES            |

1102-78-04XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 1102-78-0410 | YES            |
| 1102-78-0411 | NO             |
| 1102-78-0412 | NO             |
| 1102-78-0413 | NO             |
| 1102-78-0414 | NO             |
| 1102-78-0415 | YES            |
| 1102-78-0416 | YES            |
| 1102-78-0417 | YES            |
| 1102-78-0418 | NO             |
| 1102-78-0419 | YES            |

1102-78-044XX

| PART NUMBER   | RoHS COMPLIANT |
|---------------|----------------|
| 1102-78-04410 | YES            |
| 1102-78-04411 | NO             |
| 1102-78-04412 | NO             |
| 1102-78-04413 | NO             |
| 1102-78-04414 | NO             |
| 1102-78-04415 | YES            |
| 1102-78-04416 | YES            |
| 1102-78-04417 | YES            |
| 1102-78-04418 | NO             |
| 1102-78-04419 | YES            |

1102-78-05XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 1102-78-0510 | NO             |
| 1102-78-0511 | NO             |
| 1102-78-0512 | NO             |
| 1102-78-0513 | NO             |
| 1102-78-0514 | NO             |
| 1102-78-0515 | NO             |
| 1102-78-0516 | NO             |
| 1102-78-0517 | NO             |
| 1102-78-0518 | NO             |
| 1102-78-0519 | NO             |

1102-78-088XX

| PART NUMBER   | RoHS COMPLIANT |
|---------------|----------------|
| 1102-78-08810 | NO             |
| 1102-78-08811 | NO             |
| 1102-78-08812 | NO             |
| 1102-78-08813 | NO             |
| 1102-78-08814 | NO             |
| 1102-78-08815 | NO             |
| 1102-78-08816 | NO             |
| 1102-78-08817 | NO             |
| 1102-78-08818 | NO             |
| 1102-78-08819 | NO             |

TOOLING:

| INSTALLATION TOOL:<br>ARBOR PRESS | INSTALLATION TOOL:<br>ANVIL<br>(ARBOR PRESS OPERATED) | INSTALLATION TOOL:<br>PRESS-FIT / ROLL SWAGE / RIVET PUNCH<br>(ARBOR PRESS OPERATED) | INSTALLATION TOOL:<br>PRESS-FIT<br>(HAND OPERATED) |
|-----------------------------------|---|--|--|
| TM1                               | TA1102-78   | TPI1102-78   | TTI1102-78   |

NOTES:

| DATASHEET NOTES |
|-----------------|
|-----------------|

N/A

| INSTRUCTION NOTES |
|-------------------|
|-------------------|

SEE GENERAL PRESS FIT INSTALLATION INSTRUCTION ON CONCORD ELECTRONICS' WEBSITE [WWW.CONCORD-ELECTRONICS.COM](http://WWW.CONCORD-ELECTRONICS.COM).