

|                        |                                    |
|------------------------|------------------------------------|
| <b>DRAWING NUMBER:</b> | <b>10-501-X-XX</b>                 |
| <b>PRODUCT GROUP:</b>  | TERMINALS                          |
| <b>SUB-GROUP:</b>      | COMMERCIAL NON-INSULATED TERMINALS |
| <b>DESCRIPTION:</b>    | NON-INSULATED FEED THRU TERMINAL   |



DRAWING NOT AVAILABLE AT THIS TIME.  
PLEASE CONTACT CONCORD ELECTRONICS'  
ENGINEERING DEPT. FOR ASSISTANCE.

| BOARD / PANEL<br>MOUNTING METHOD | MOUNTING HOLE SIZE | DRILL SIZE | FEED THRU COMBINATION |
|----------------------------------|--------------------|------------|-----------------------|
| SWAGE MOUNT                      | 0.076" ± 0.001     | #48        | TURRET/TURRET         |

#### PART NO. STRUCTURE:

|               |   |           |   |           |
|---------------|---|-----------|---|-----------|
| <b>10-501</b> | - | <b>X</b>  | - | <b>XX</b> |
| PART SERIES   |   | DIMENSION |   | FINISH    |

#### MATERIAL OPTIONS:

**10-501**-X-XX

| COMPONENT | MATERIAL | MATERIAL AND SPECIFICATION                 |
|-----------|----------|--------------------------------------------|
| TERMINAL  | BRASS    | BRASS PER ASTM B16, ALLOY C36000, 1/2 HARD |

#### DIMENSION OPTIONS:

10-501-X-XX

| DIMENSION | A   | D   | PIN DIAMETER | OVERALL LENGTH | SHANK LENGTH (L) | BOARD/PANEL THICKNESS |
|-----------|-----|-----|--------------|----------------|------------------|-----------------------|
| 1A        | N/A | N/A | N/A          | 0.254"         | 0.068"           | 1/32"                 |
| 1         | N/A | N/A | N/A          | 0.237"         | 0.051"           | 1/32"                 |
| 2         | N/A | N/A | N/A          | 0.268"         | 0.082"           | 1/16"                 |
| 3         | N/A | N/A | N/A          | 0.299"         | 0.113"           | 3/32"                 |
| 4A        | N/A | N/A | N/A          | 0.356"         | 0.170"           | 1/8"                  |
| 4         | N/A | N/A | N/A          | 0.331"         | 0.145"           | 1/8"                  |

Continued on next page...

## DIMENSION OPTIONS CONTINUED:

10-501-X-XX

| DIMENSION | A   | D   | PIN DIAMETER | OVERALL LENGTH | SHANK LENGTH (L) | BOARD/PANEL THICKNESS |
|-----------|-----|-----|--------------|----------------|------------------|-----------------------|
| 6         | N/A | N/A | N/A          | 0.393"         | 0.207"           | 3/16"                 |
| 8         | N/A | N/A | N/A          | 0.456"         | 0.270"           | 1/4"                  |
| 11        | N/A | N/A | N/A          | 0.223"         | 0.037"           | 1/64"                 |

## FINISH - PLATING OPTIONS:

10-501-X-XX

| 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       |
| 03          | TERMINAL  | GOLD               | 0.000010"MIN. GOLD PER ASTM B488, TYPE II, CODE C OVER 0.000050"MIN. NICKEL PER SAE-AMS-QQ-N-290     |
| 035         | TERMINAL  | GOLD               | 0.000050"MIN. GOLD PER ASTM B488, TYPE II, CODE C OVER 0.000050"MIN. NICKEL PER SAE-AMS-QQ-N-290     |
| 04          | TERMINAL  | ELECTRO-TIN        | 0.000300"MIN. ELECTRO-TIN PER ASTM B545 OVER 0.000100"MIN. COPPER PER SAE-AMS-2418                   |
| 044         | TERMINAL  | BRIGHT ELECTRO-TIN | 0.000300"MIN. BRIGHT ELECTRO-TIN PER ASTM B545 OVER 0.000100"MIN. COPPER PER SAE-AMS-2418            |
| 05          | TERMINAL  | ELECTRO-SOLDER     | 0.000300"MIN. ELECTRO-SOLDER PER SAE-AMS-P-81728 OVER 0.000100"MIN. COPPER PER SAE-AMS-2418          |
| 088         | TERMINAL  | BRIGHT TIN-LEAD    | 0.000300"MIN. BRIGHT TIN-LEAD (Sn93%-Pb7%) PER ASTM B545 OVER 0.000100"MIN. COPPER PER SAE-AMS-2418  |
| 095         | TERMINAL  | HOT SOLDER DIP     | 0.000100"MIN. HOT SOLDER DIP USING Sn60 PER IPC-J-STD-006 OVER 0.000100"MIN. COPPER PER SAE-AMS-2418 |

## TOLERANCES:\*

| DECIMAL | FRACTIONAL | ANGULAR | DRAWING ORIGINATION DATE | LAST MODIFICATION DATE |
|---------|------------|---------|--------------------------|------------------------|
| ± 0.005 | ± 1/64     | ± 5 °   | 1/25/2000                | 3/1/2017               |

\*All dimensions are in inches.

## RoHS COMPLIANCE:

## 10-501-1A-XX

| PART NUMBER   | RoHS COMPLIANT |
|---------------|----------------|
| 10-501-1A-01  | YES            |
| 10-501-1A-03  | YES            |
| 10-501-1A-035 | YES            |
| 10-501-1A-04  | YES            |
| 10-501-1A-044 | YES            |
| 10-501-1A-05  | NO             |
| 10-501-1A-088 | NO             |
| 10-501-1A-095 | NO             |

## 10-501-1-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-501-1-01  | YES            |
| 10-501-1-03  | YES            |
| 10-501-1-035 | YES            |
| 10-501-1-04  | YES            |
| 10-501-1-044 | YES            |
| 10-501-1-05  | NO             |
| 10-501-1-088 | NO             |
| 10-501-1-095 | NO             |

## 10-501-2-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-501-2-01  | YES            |
| 10-501-2-03  | YES            |
| 10-501-2-035 | YES            |
| 10-501-2-04  | YES            |
| 10-501-2-044 | YES            |
| 10-501-2-05  | NO             |
| 10-501-2-088 | NO             |
| 10-501-2-095 | NO             |

## 10-501-3-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-501-3-01  | YES            |
| 10-501-3-03  | YES            |
| 10-501-3-035 | YES            |
| 10-501-3-04  | YES            |
| 10-501-3-044 | YES            |
| 10-501-3-05  | NO             |
| 10-501-3-088 | NO             |
| 10-501-3-095 | NO             |

## 10-501-4A-XX

| PART NUMBER   | RoHS COMPLIANT |
|---------------|----------------|
| 10-501-4A-01  | YES            |
| 10-501-4A-03  | YES            |
| 10-501-4A-035 | YES            |
| 10-501-4A-04  | YES            |
| 10-501-4A-044 | YES            |
| 10-501-4A-05  | NO             |
| 10-501-4A-088 | NO             |
| 10-501-4A-095 | NO             |

## 10-501-4-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-501-4-01  | YES            |
| 10-501-4-03  | YES            |
| 10-501-4-035 | YES            |
| 10-501-4-04  | YES            |
| 10-501-4-044 | YES            |
| 10-501-4-05  | NO             |
| 10-501-4-088 | NO             |
| 10-501-4-095 | NO             |

## 10-501-6-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-501-6-01  | YES            |
| 10-501-6-03  | YES            |
| 10-501-6-035 | YES            |
| 10-501-6-04  | YES            |
| 10-501-6-044 | YES            |
| 10-501-6-05  | NO             |
| 10-501-6-088 | NO             |
| 10-501-6-095 | NO             |

## 10-501-8-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-501-8-01  | YES            |
| 10-501-8-03  | YES            |
| 10-501-8-035 | YES            |
| 10-501-8-04  | YES            |
| 10-501-8-044 | YES            |
| 10-501-8-05  | NO             |
| 10-501-8-088 | NO             |
| 10-501-8-095 | NO             |

## 10-501-11-XX

| PART NUMBER   | RoHS COMPLIANT |
|---------------|----------------|
| 10-501-11-01  | YES            |
| 10-501-11-03  | YES            |
| 10-501-11-035 | YES            |
| 10-501-11-04  | YES            |
| 10-501-11-044 | YES            |
| 10-501-11-05  | NO             |
| 10-501-11-088 | NO             |
| 10-501-11-095 | 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>FLARE SWAGE PUNCH<br>(ARBOR PRESS OPERATED) |
|-----------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| TM1                               | TA94-50-20                                            | TP72-T50                                                                             | N/A                                                               |

**NOTES:**

**DATASHEET NOTES**

N/A

**INSTRUCTION NOTES**

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