

|                        |                                    |
|------------------------|------------------------------------|
| <b>DRAWING NUMBER:</b> | <b>10-838-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                      | 0.111" ± 0.001     | #34        | PIN/PIN               |

#### PART NO. STRUCTURE:

|             |   |           |   |        |
|-------------|---|-----------|---|--------|
| 10-838      | - | X         | - | XX     |
| PART SERIES |   | DIMENSION |   | FINISH |

#### MATERIAL OPTIONS:

10-838-X-XX

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

#### DIMENSION OPTIONS:

10-838-X-XX

| DIMENSION | A      | D      | PIN DIAMETER   | OVERALL LENGTH | SHANK LENGTH (L) | BOARD/PANEL THICKNESS |
|-----------|--------|--------|----------------|----------------|------------------|-----------------------|
| 1         | 0.219" | 0.063" | 0.050" ± 0.002 | 0.594"         | 0.063"           | 1/32"                 |
| 2         | 0.250" | 0.071" | 0.050" ± 0.002 | 0.625"         | 0.094"           | 1/16"                 |
| 3         | 0.281" | 0.071" | 0.050" ± 0.002 | 0.656"         | 0.125"           | 3/32"                 |
| 4         | 0.313" | 0.071" | 0.050" ± 0.002 | 0.688"         | 0.156"           | 1/8"                  |
| 6         | 0.375" | 0.071" | 0.050" ± 0.002 | 0.750"         | 0.219"           | 3/16"                 |
| 8         | 0.438" | 0.071" | 0.050" ± 0.002 | 0.813"         | 0.281"           | 1/4"                  |

## FINISH - PLATING OPTIONS:

10-838-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 |

## TOLERANCES:\*

| DECIMAL | FRACTIONAL | ANGULAR | DRAWING ORIGATION DATE | LAST MODIFICATION DATE |
|---------|------------|---------|------------------------|------------------------|
| ± 0.005 | ± 1/64     | ± 5 °   | 5/4/2001               | 3/1/2017               |

\*All dimensions are in inches.

## RoHS COMPLIANCE:

## 10-838-1-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-838-1-01  | YES            |
| 10-838-1-03  | YES            |
| 10-838-1-035 | YES            |
| 10-838-1-04  | YES            |
| 10-838-1-044 | YES            |
| 10-838-1-05  | NO             |
| 10-838-1-088 | NO             |

## 10-838-2-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-838-2-01  | YES            |
| 10-838-2-03  | YES            |
| 10-838-2-035 | YES            |
| 10-838-2-04  | YES            |
| 10-838-2-044 | YES            |
| 10-838-2-05  | NO             |
| 10-838-2-088 | NO             |

## 10-838-3-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-838-3-01  | YES            |
| 10-838-3-03  | YES            |
| 10-838-3-035 | YES            |
| 10-838-3-04  | YES            |
| 10-838-3-044 | YES            |
| 10-838-3-05  | NO             |
| 10-838-3-088 | NO             |

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## RoHS COMPLIANCE CONTINUED:

## 10-838-4-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-838-4-01  | YES            |
| 10-838-4-03  | YES            |
| 10-838-4-035 | YES            |
| 10-838-4-04  | YES            |
| 10-838-4-044 | YES            |
| 10-838-4-05  | NO             |
| 10-838-4-088 | NO             |

## 10-838-6-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-838-6-01  | YES            |
| 10-838-6-03  | YES            |
| 10-838-6-035 | YES            |
| 10-838-6-04  | YES            |
| 10-838-6-044 | YES            |
| 10-838-6-05  | NO             |
| 10-838-6-088 | NO             |

## 10-838-8-XX

| PART NUMBER  | RoHS COMPLIANT |
|--------------|----------------|
| 10-838-8-01  | YES            |
| 10-838-8-03  | YES            |
| 10-838-8-035 | YES            |
| 10-838-8-04  | YES            |
| 10-838-8-044 | YES            |
| 10-838-8-05  | NO             |
| 10-838-8-088 | 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                               | TA156-50-30                                           | TP110-T40                                                                            | 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).