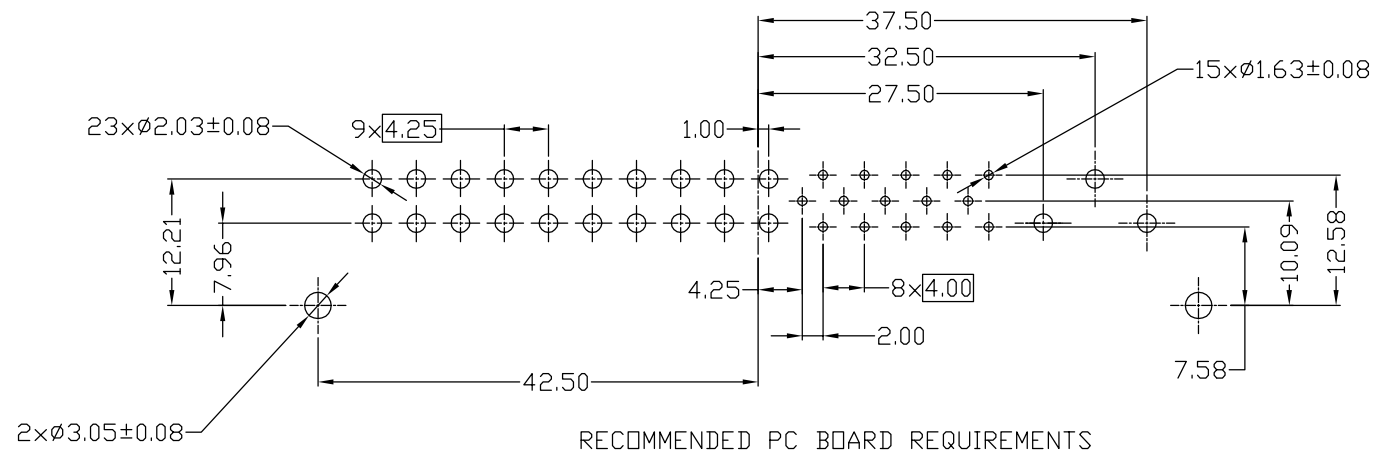
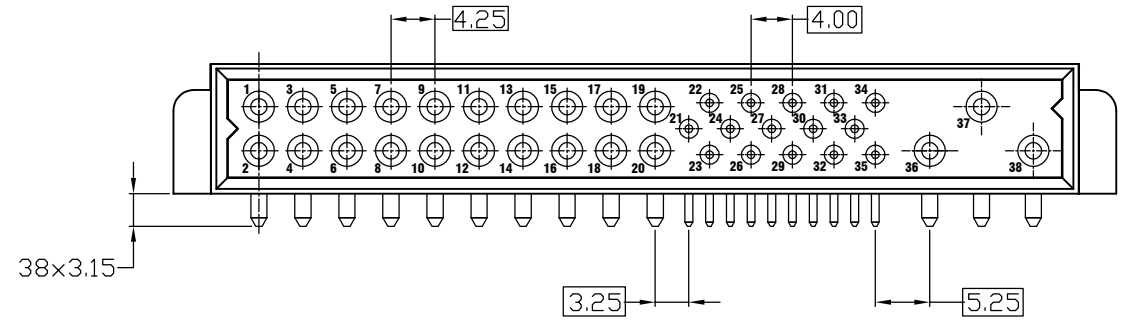
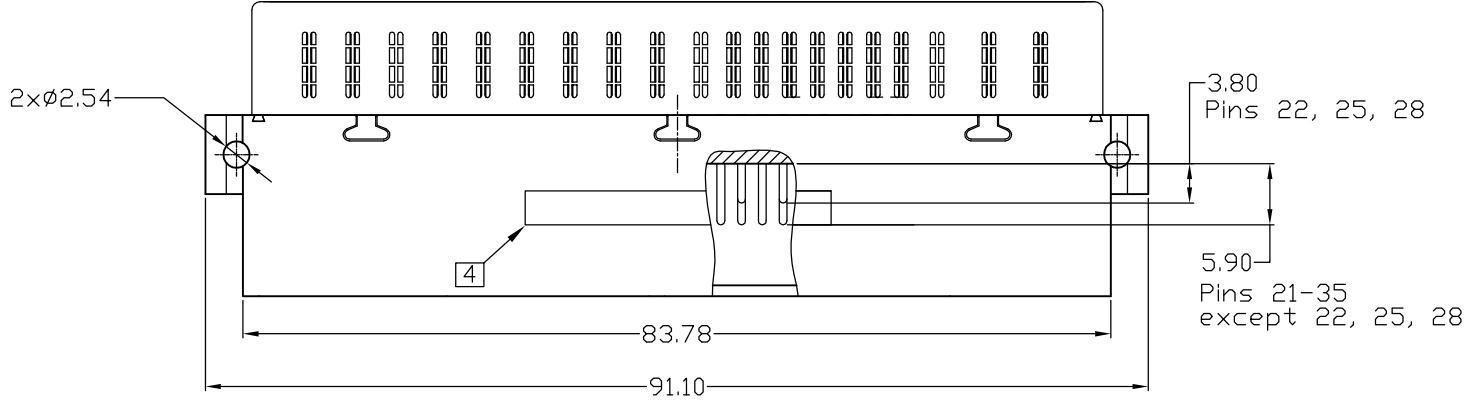
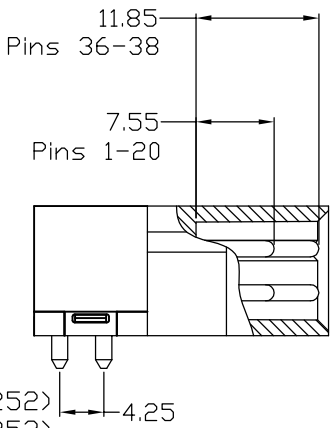


Notes:

- Pin contacts to be inserted into insulator in direction shown prior to bending.
- Contacts must withstand a pullout force of 2.50 Kgf min per power contact and 1.0 Kgf min per signal contact
- Bend contacts in direction shown. Note orientation to position 1.
- Mark Is: Part No And Date Code (Year \*\* & Week \*\*)
- Materials and finish:  
(1.) Insulator: High-Temperature Thermoplastic, UL94V-0  
Color: Black  
(2.) Power and Signal Pins: Copper alloy.
- Electrical Characterisitcs  
Insulation Resistance:  $\geq 10^{10}$  ohms  
Initial Contact Resistance:  
Power Contact: 0.7 milliohms max  
Signal Contact: 4.0 milliohms max  
Voltage Proof:  
Power 1 through 20: 1500 Vrms  
Power 36, 37, 38: 3000 Vrms  
Signal 21 through 35: 1000 Vrms  
Current Rating:  
DC Output Power 1 through 20: 16 Amps  
Input power 36, 37, 38: 23 Amps  
Signal contacts: 2 Amps  
Minimum creepage distance:  
Power 38 To Contact 36 ----- 3.2mm (.126)  
Power 37 To Contact 36 ----- 3.2mm (.126)  
Power 38 To Signal Contacts ----- 6.4mm (.252)  
Power 37 To Signal Contacts ----- 6.4mm (.252)  
Power 38 To Contact 37 ----- 2.5mm (.098)  
Power 36 To Signal Contacts ----- 2.0mm (.079)
- PC Board thickness:  
Minimum: 1.60mm nominal  
Maximum: 3.00mm nominal
- RoHS Directive Compliance
- Finish: plating gold over nickel.

P/N:  
R - 2 5 0 M 3 8 1 \* 1 N

| CONTACT PLATING |                     |        |
|-----------------|---------------------|--------|
| Code            | Plating Description | Finish |
| A               | LEVEL 2             | 9      |
| B               | LEVEL 1             | 9      |
| F               | LEVEL 3             | 9      |



RECOMMENDED PC BOARD REQUIREMENTS  
(COMPONENT SIDE OF BOARD SHOWN)

|                                           |  |                                 |  |                                           |  |
|-------------------------------------------|--|---------------------------------|--|-------------------------------------------|--|
| DESIGN UNITS<br>■ mm □ INCH               |  | NAME: CPCI 38P<br>MALE ASSEMBLY |  | nexttron®<br>NEXTRONICS ENGINEERING CORP. |  |
| GENERAL TOLERANCES:<br>(UNLESS SPECIFIED) |  | PART NO:<br>R-250M381*1N        |  | TITLE: CUSTOMER DWG. C                    |  |
|                                           |  | APPD: 楊海文 5/11'11               |  | DWG. NO: 010-0000-372                     |  |
|                                           |  | CHKD: 楊海文 5/11'11               |  | SCALE: 1 / 1                              |  |
|                                           |  | DRAWN: 廖小瓊 5/11'11              |  | SHEET: 1 / 1                              |  |
|                                           |  |                                 |  | REV.: B                                   |  |
|                                           |  |                                 |  |                                           |  |

|      |          |              |         |       |      |
|------|----------|--------------|---------|-------|------|
| B    | ***      | UPDATED NOTE | 5/11'11 | 廖小瓊   | 楊海文  |
| REV. | ECN. NO. | DESCRIPTION  | DATE    | DRAWN | APPD |