

Notes:

1. Pin contacts to be inserted into insulator in direction shown prior to bending.
2. Contacts must withstand a pullout force of 2.50 Kgf min per power contact and 1.0 Kgf min per signal contact
3. Bend contacts in direction shown. Note orientation to position 1.
4. Mark Is: Part No (R-250M*****) And Date Code (Year ** & Week **)
5. Materials and finish:
 - (1.) Insulator: High-Temperature Thermoplastic, UL94V-0
Color: Black
 - (2.) Power and Signal Pins: Copper alloy.
6. 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)
7. PC Board thickness:
 - Minimum: 1.60mm nominal
 - Maximum: 3.00mm nominal
8. RoHS Directive Compliance
 - 9. Finish: plating gold over nickel on all area.
 - 10. Finish: plating gold on mating area. Matte tin in tail area, All over nickel on entire contact.

P/N:

R - 2 5 0 M 3 8 1 * 1 N

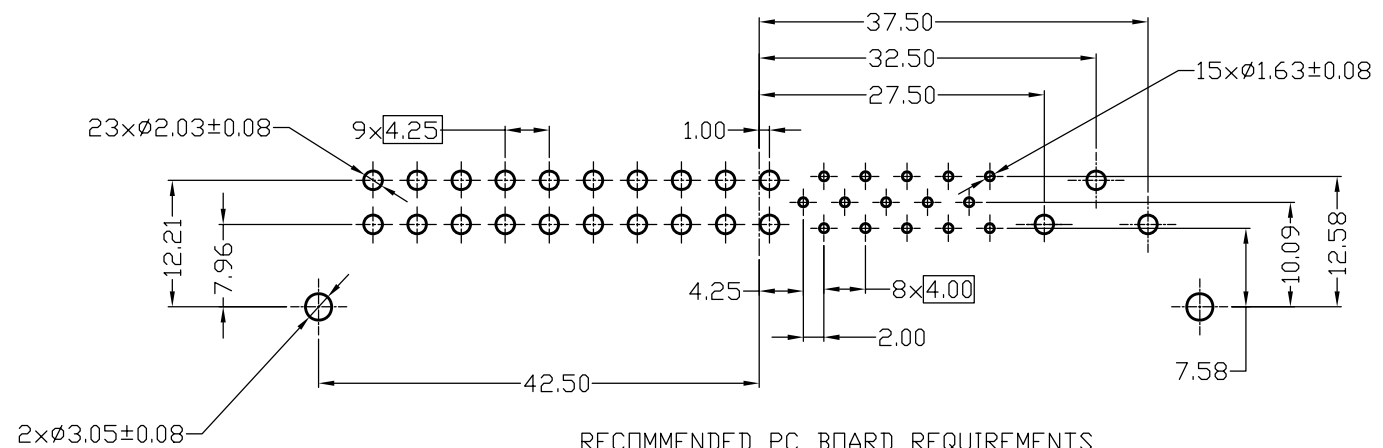
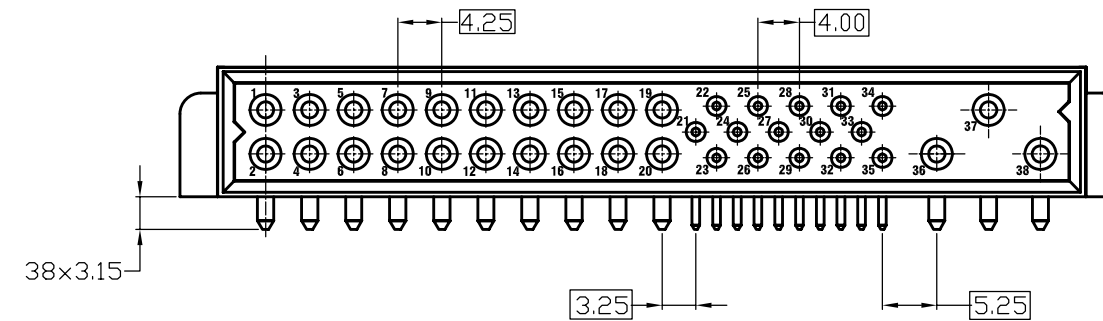
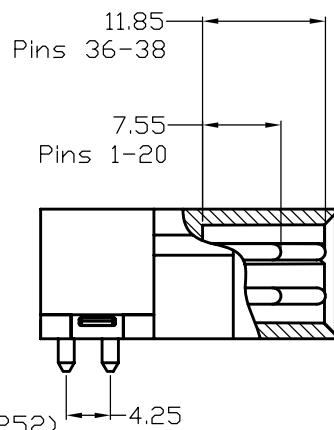
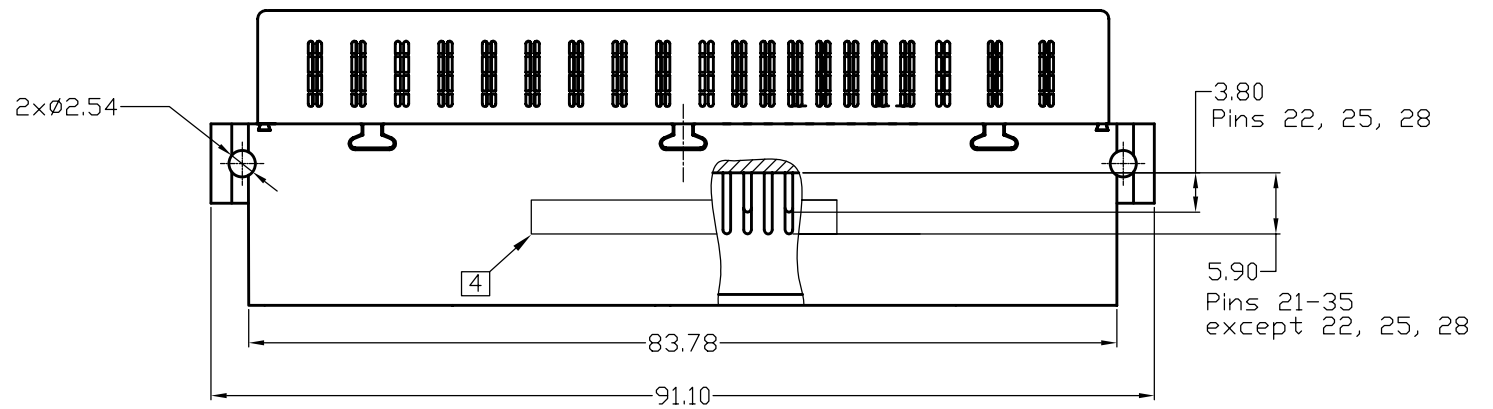
CONTACT PLATING		
Code	Plating Description	Finish
A	LEVEL 2	9
B	LEVEL 1	9
F	LEVEL 3	9
G	LEVEL 2	10
H	LEVEL 1	10

REV.	ECN. NO.	DESCRIPTION	DATE	DRAWN	APPD
B	***	UPDATED NOTE	6/10'09	LIA	ALAN

DESIGN UNITS		
mm	INCH	
4 PLACE	$\pm .010$	$\pm .0004$
3 PLACE	$\pm .010$	$\pm .0004$
2 PLACE	$\pm .020$	$\pm .0008$
1 PLACE	$\pm .030$	$\pm .0012$
ANGULAR:	$X^\circ \pm 1^\circ$	$.X^\circ \pm .04^\circ$

NAME:	CPCI 38P MALE ASSEMBLY
PART NO:	R-250M381*1N
APPD:	蘇侯安 6/10'09
CHKD:	楊海文 6/10'09
DRAWN:	廖小瓊 6/10'09

All Connectors		
TITLE:	CUSTOMER DWG.	C
DWG. NO:	010-0000-372	
SCALE:	SHEET:	REV.:
1 / 1	1 / 1	B



RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE OF BOARD SHOWN)