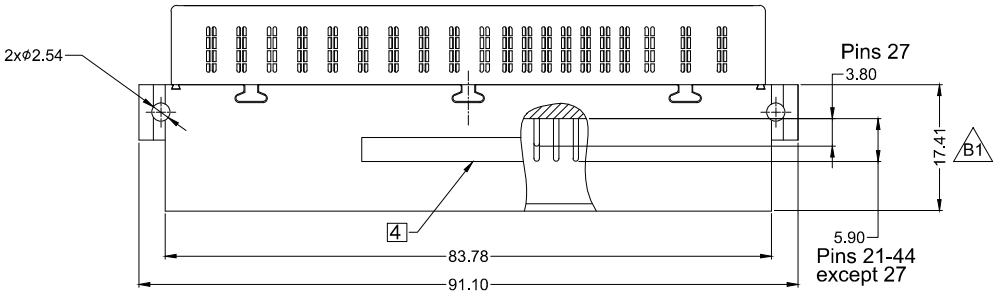
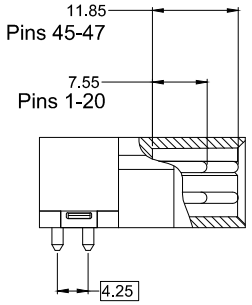
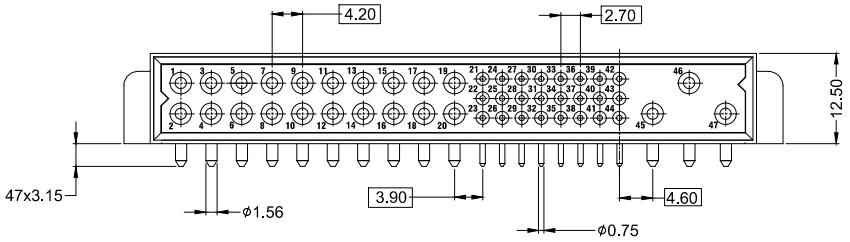
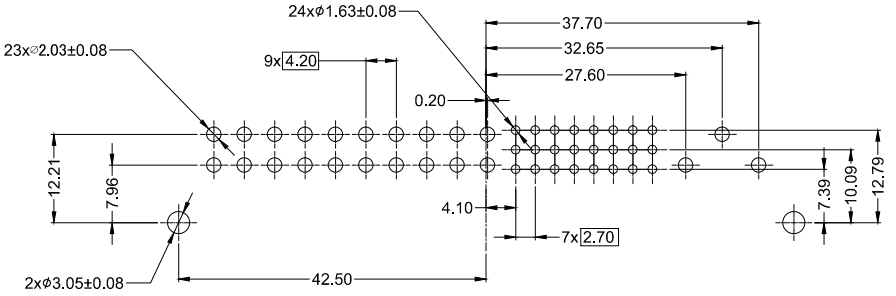
Notes:

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 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: ≥ 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 45, 46, 47: 3000 Vrms
   Signal 21 through 44: 1000 Vrms
   Current Rating:
   DC Output Power 1 through 20: 16 Amps
   Input power 45, 46, 47: 23 Amps
   Signal contacts: 2 Amps
   Minimum creepage distance:
   Power 47 to Contact 45: 3.2mm
   Power 46 to Contact 45: 3.2mm
   Power 47 to Signal contacts: 6.4mm
   Power 46 to Signal contacts: 6.4mm
   Power 47 to Contact 46: 2.5mm
   Power 45 to Signal contacts: 2.0mm
7. PC Board thickness:
   Minimum: 1.60mm nominal
   Maximum: 3.00mm nominal
8. RoHS Directive Compliance
9. Finish: plating gold over nickel.









RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE OF BOARD SHOWN)

P/N:
R - 2 5 0 M 4 7 1 * 1 N

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

NEXTRONICS ENGINEERING CORPORATION
ISSUE DATE
2018/03/02
nextron
This file is automatically issued by EPDM and is not valid without the issue date

REV.	DESCRIPTION	DATE
B1	ADD DIMENTION B1=1	02/27'18

UNITS ■mm □INCH		
GENERAL TOLERANCES: (UNLESS SPECIFIED)	mm	INCH
4 PLACE	± ***	±. ***
3 PLACE	± 0.10	±. ***
2 PLACE	± 0.20	±. ***
1 PLACE	± 0.30	±. ***
ANGULAR:	X°± 1°	.X°± ***

NAME:	CPCI 47P MALE ASSEMBLY	nextron® NEXTRONICS ENGINEERING CORP.
PART NO:	R-250M471*1N	TITLE: CUSTOMER DWG
APPD:	Seawen楊海文 2018/03/02	DWG NO: 010-0000-407 C
CHKD:	Peter廖小瓊 2018/02/27	SCALE: NA / SHEET: 1/1 / REV.: B1
DRAWN:	Jacker周梅傑 2018/02/27	

A3

D-PRD-034