

**NOTES:**

- 1 THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101 AND BELLCORE GR-1217-CORE
- 2 RoHS DIRECTIVE COMPLIANCE, MAX SOLDERING TEMPERATURE 225°C.
- 3 CONNECTORS ARE END STACKABLE ON A 2.0 GRID.
- 4 FOR COMPLIANT CONTACT PLATED THRU HOLE REQUIREMENTS SEE THRU HOLE PLATING VIEW. MINIMUM P.C.BOARD THICKNESS 1.57 NOMINAL.
- 5 DIMENSIONS APPLY AFTER INSTALLATION IN P.C.BOARD.
- 6 CONNECTOR WITH MIXED PIN LENGTH.SELECTIVE LOADING PER PICMG™(COMPUTER TELEPHONY SPECIFICATIONS) 2.5 R1.0 APRIL 3, 1998 SEE SELECTIVE LOADING CHART AND LOADING PATTERN.
- 7 0.2 MAX. GAP PERMISSIBLE TO P.C.BOARD

SPECIFICATIONS

MATERIALS

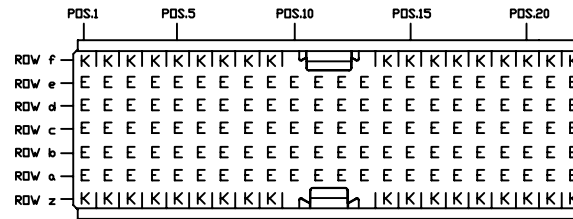
- ① Insulators: Thermoplastic Polyester, glass filled  
Rated UL 94V-0, Color: Gray
- ② Pin contacts:  
Copper Alloy  
Finish: Mating Zone=Gold  
Compliant Zone=Matte Tin  
Performance Class 2= 250 cycles

PERFORMANCE CHARACTERISTICS 1

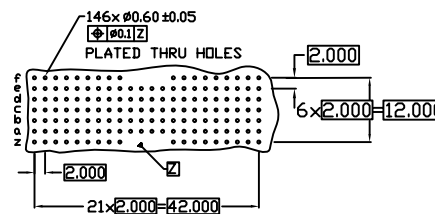
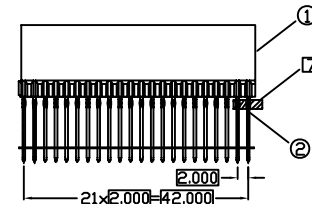
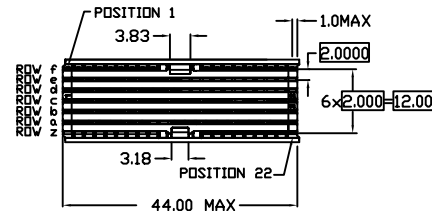
- Insulation resistance: 10000 megohms minimum
- Dielectric withstanding voltage(at sea level): 750 Vrms
- Current rating: 1 amp @70°C, fully loaded  
1.5 amp @20°C, fully loaded
- Operating temperature range: -55°C to +125°C
- Contact resistance: 20 milliohms maximum

COMPLIANT CONTACT

- Max.Insertion Force(per contact): 22.5 lbs./100 N
- Min. Retention force(per contact): 4.5 lbs./20 N

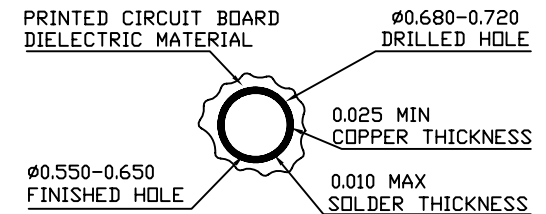
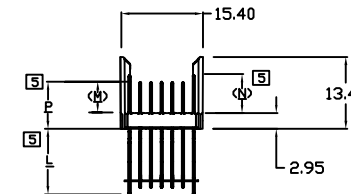


SELECTIVE LOADING PATTERN



RECOMMENDED PC BOARD REQUIREMENTS  
(COMPONENT SIDE BOARD SHOWN)

SELECTIVE LOADING CHART				
PIN CODE	MATING LENGTH OF CONTACTS			CONTACT TAIL LENGTHS
	SIGNAL	ALL	GROUND	
E	.268/6.80	.382/9.70	N/A	.571/14.50
K	.327/8.30	.441/11.20	.327/8.30	.630/16.00



THRU HOLE PLATING  
SCALE 10:1

DESIGN UNITS mm INCH	NAME: 2MM HEADER AB TYPE	<b>nexttron</b> NEXTRONICS ENGINEERING CORP.	
GENERAL TOLERANCES: (UNLESS SPECIFIED)	PART NO: NX5ABBD21X04CA	TITLE: CUSTOMER DWG C	
4 PLACE ±0.05 ±.***	APPD: 楊海文 8/23'10	DWG. NO: 010-0000-719-NX5ABBD21X04CA	
3 PLACE ±0.10 ±.***	CHKD: 廖小瓊 8/23'10	SCALE: SHEET: REV.: 1 / 1 1 / 1 A	
2 PLACE ±0.20 ±.***	DRAWN: 何潔賢 8/23'10		
1 PLACE ±0.30 ±.***			
ANGULAR: X°±.*** X°±.***			

A	**	Release	8/23'10	何潔賢	楊海文
REV.	ECN. NO.	DESCRIPTION	DATE	DRAWN	APPD