

**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**

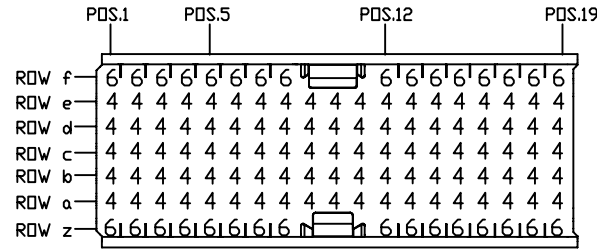
- 1 Insulators: Thermoplastic Polyester, glass filled  
Rated UL 94V-0, Color: Gray
- 2 Pin contacts:  
Copper Alloy  
Finish: Mating Zone=Gold  
Compliant Zone=Matte Tin  
Performance Class 2= 250 cycles

**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

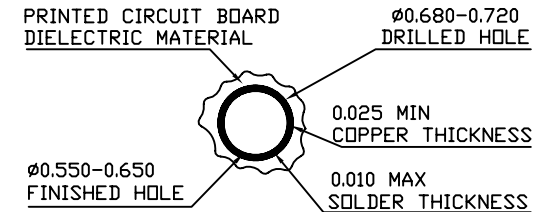
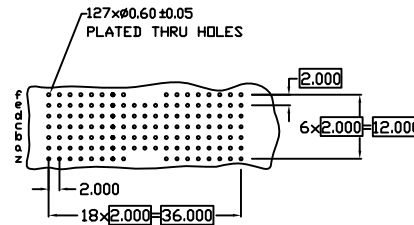
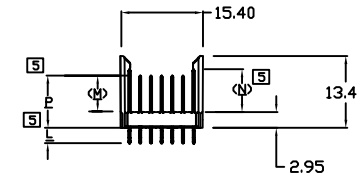
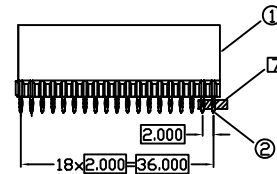
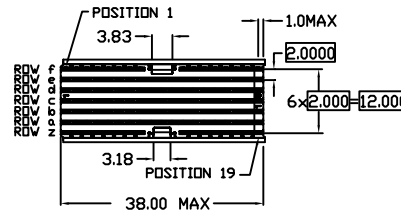
**COMPLIANT CONTACT**

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



PIN CODE	MATING LENGTH OF CONTACTS			CONTACT TAIL LENGTHS
	SIGNAL	ALL	GROUND	
	M	P	N	L
4	.209/5.30	.323/8.20	N/A	.146/3.70
6	.327/8.30	.441/11.20	.327/8.30	.146/3.70

**SELECTIVE LOADING PATTERN**



**RECOMMENDED PC BOARD REQUIREMENTS (COMPONENT SIDE BOARD SHOWN)**

**THRU HOLE PLATING SCALE 10:1**

DESIGN UNITS mm INCH		NAME: 2MM HEADER AB TYPE		NEXTRONIX NEXTRONICS ENGINEERING CORP.	
GENERAL TOLERANCES: (UNLESS SPECIFIED)		PART NO: NX5ABBC83X01AA		TITLE: CUSTOMER DWG C	
4 PLACE	± 0.05 ±. **	APPD: 楊海文 8/23'10		DWG. NO: 010-0000-720-NX5ABBC83X01AA	
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