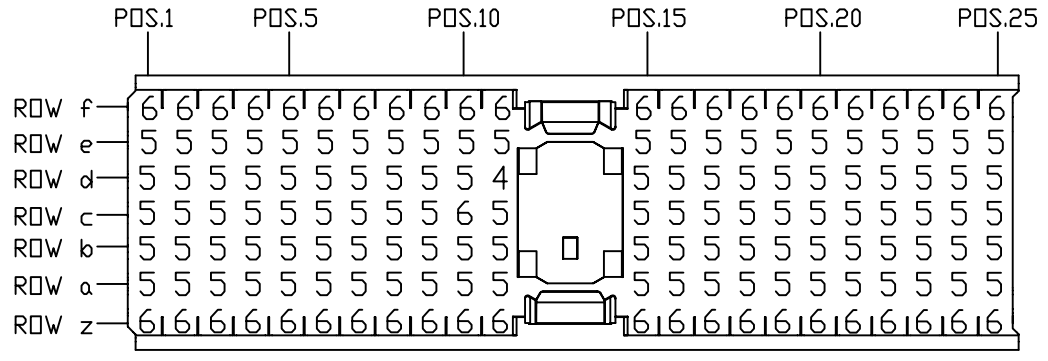


NX SERIES - MetCon-2® BACKPANEL PIN CONNECTORS

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



PIN CODE	MATING LENGTH OF CONTACTS			CONTACT TAIL LENGTHS
	SIGNAL M	ALL P	GROUND N	
4	.209/5.30	.323/8.20	N/A	.146/3.70
5	.268/6.8	.384/9.75	N/A	.146/3.70
6	.329/8.35	.443/11.25	.327/8.30	.146/3.70

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=Tin/Lead(Matting Tin)  
Performance Class 2= 250 cycles

PERFORMANCE CHARACTERISTICS 1

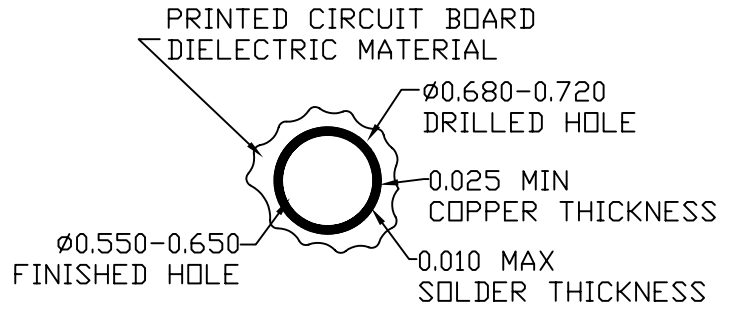
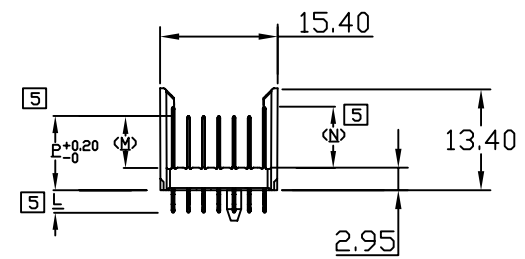
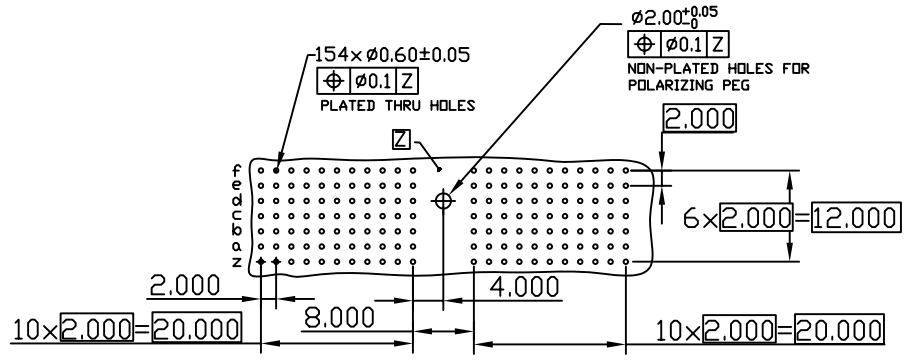
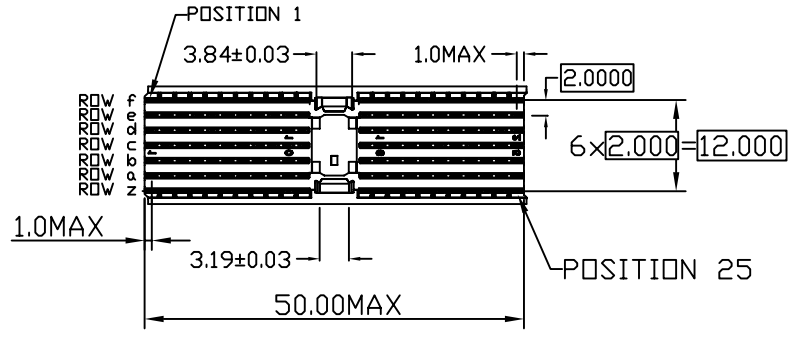
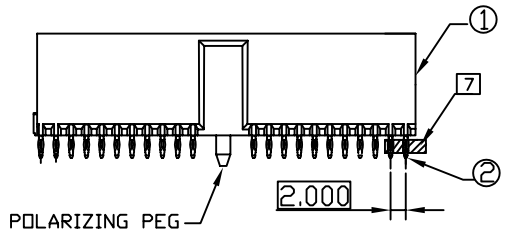
- Insulation resistance: 10000 megohms minimum
- Dielectric withstanding voltage(at sea level): 750 Vrms
- Current rating: 1 amp @70°C, fully loaded  
1.5 amp @20°C, fully loaded
- Operating temperature range: -55°C to +125°C
- Contact resistance: 20 milliohms maximum

COMPLIANT CONTACT

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

RECOMMENDED PC BOARD REQUIREMENTS  
(COMPONENT SIDE BOARD SHOWN)

A	**	Release	05/29'06	Jexan	
REV.	ECN. NO.	DESCRIPTION	DATE	DRAWN	APPD



THRU HOLE PLATING SCALE 10:1

CATALOG No. NX5A0BA21X04AA SHDW

DESIGN UNITS mm INCH	NAME: METCON-2 HEADER	All connectors	
GENERAL TOLERANCES: (UNLESS SPECIFIED)	PART NO: NX5A0BA21X04AA	TITLE: CUSTOMER DWG	C
4 PLACE ± ** ±. **	APPD:	DWG. NO: NX5A0BA21X04AA	
3 PLACE ± ** ±. **	CHKD:	SCALE: 1 / 1	SHEET: 1 / 1
2 PLACE ± 0.10 ±. **	DRAWN: 何潔賢 5/29'06	REV.: A	
1 PLACE ± 0.20 ±. **			
ANGULAR: X° ± ** .X° ± **			