

## NOTES:

- THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101 AND BELLCORE GR-1217-CORE
- RoHS DIRECTIVE COMPLIANCE, MAX SOLDERING TEMPERATURE 225°C.
- CONNECTORS ARE END STACKABLE ON A 2.0 GRID.
- FOR COMPLIANT CONTACT PLATED THRU HOLE REQUIREMENTS SEE THRU HOLE PLATING VIEW. MINIMUM P.C.BOARD THICKNESS 1.57 NOMINAL.
- DIMENSIONS APPLY AFTER INSTALLATION IN P.C.BOARD.
- 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.
- 0.2 MAX. GAP PERMISSIBLE TO P.C.BOARD

## SPECIFICATIONS

### MATERIALS

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

### PERFORMANCE CHARACTERISTICS ①

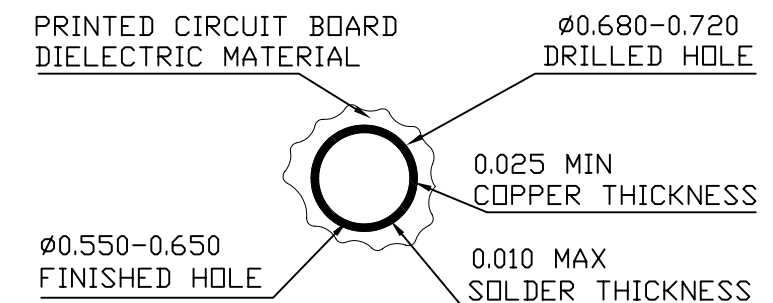
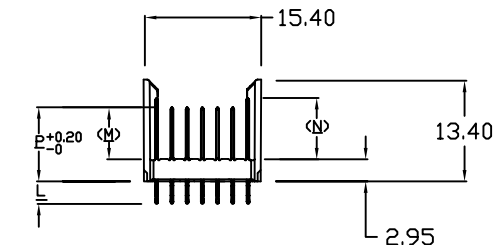
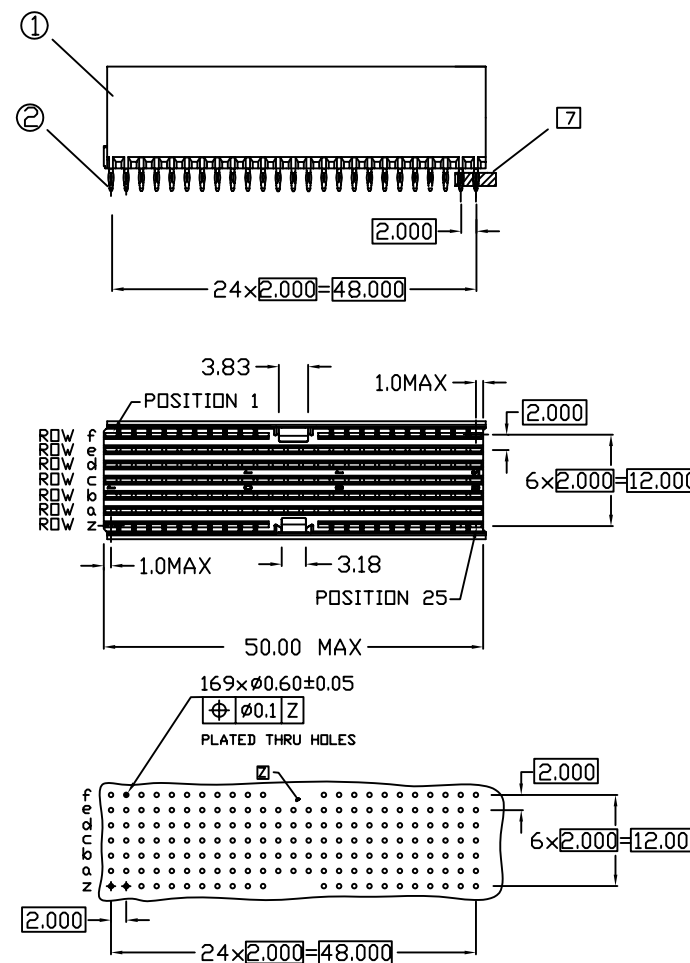
Insulation resistance: 10000 megohms minimum  
Dielectric withstanding voltage(at sea level): 750 Vrms  
Current rating:  
1 amp @70°C, fully loaded  
1.5 amp @20°C, fully loaded  
Operating temperature range: -55°C to +125°C  
Contact resistance: 20 milliohms maximum

### COMPLIANT CONTACT

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

	POS.1	POS.5	POS.10	POS.15	POS.20	POS.25
ROW f	6	6	6	6	6	6
ROW e	4	4	4	4	4	4
ROW d	4	4	4	4	4	4
ROW c	4	4	4	4	4	4
ROW b	4	4	4	4	4	4
ROW a	4	4	4	4	4	4
ROW z	6	6	6	6	6	6

SELECTIVE LOADING CHART				
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	.329/8.35	.443/11.25	.327/8.30	.146/3.70



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

### THRU HOLE PLATING SCALE 20:1

DESIGN UNITS		NAME:		All connectors	
mm INCH		2MM HEADER AB TYPE			
GENERAL TOLERANCES: (UNLESS SPECIFIED)		PART NO:		TITLE:	
		NX5ABAE01A11AA		CUSTOMER DWG	
		APPD:		DWG. NO:	
		CHKD:		C-NX5ABAE01A11AA	
		DRAWN: 何潔賢 5/29'06		SCALE: 1 / 1	
				SHEET: 1 / 1	
				REV.: A	

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