

REV	DESCRIPTION	BY DATE	APPD
E	REVISED PER ECR# 7997	02/06/04 C.M.B.	LMD

### NX SERIES CODE ORDER CHART - MetCon-2® Backpanel Pin Connectors

#### NX5D0AE01

2mm BACKPANEL PIN CONNECTOR EXTENSION MODULE WITH 77 COMPLIANT SIGNAL CONTACTS, FULLY LOADED

#### STEP 4 PLATING WITH LUBRICATION [8]

CODE	STEP 1 TAIL LENGTH CODE REQUIRED	PERFORMANCE LEVEL
AA	A	[1]
CA	C, D, E	

#### STEP 3 SHIELDING

CODE	DESCRIPTION
0	NO SHIELDING
1	FULLY SHIELDED (PRIMARY SIDE)
4	FULLY SHIELDED (PRIMARY & SECONDARY SIDE - REAR PLUG-UP)

#### STEP 2 MATING LEVEL (SIGNAL CONTACTS)

CODE	MATING END		DESCRIPTION
	M	P	
1	.209/5.30	.323/8.20	MATING LEVEL 1, ALL POSITIONS
5	.268/6.80	.382/9.70	MATING LEVEL 2, ALL ROWS ALL POSITIONS

#### NOTES:

- [1] THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101.
2. DELETED.
3. CONNECTORS ARE END STACKABLE ON A .07874/2.0 GRID.
- [4] FOR COMPLIANT CONTACT PLATED THRU HOLE REQUIREMENTS SEE THRU HOLE PLATING VIEW. MINIMUM P.C. BOARD THICKNESS .062/1.57 NOMINAL.
- [5] DIMENSIONS APPLY AFTER INSTALLATION IN P.C. BOARD.
- [6] .0078/0.2 MAX. GAP PERMISSIBLE TO PC BOARD.
- [7] CONNECTORS WITH TAIL LENGTH CODES C, D, AND E HAVE A MYLAR STRIP ON THE TAILS FOR EASE OF INSTALLATION.
- [8] TELCORDIA (BELCORE) CERTIFIED LUBRICANT PER GR-1217-CORE.

#### SPECIFICATIONS

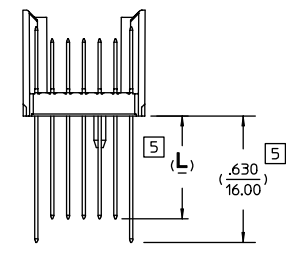
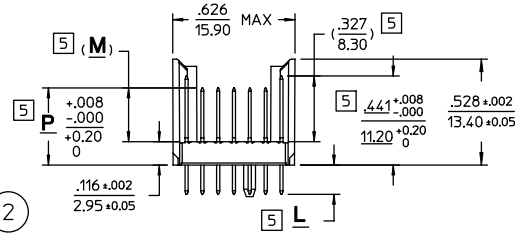
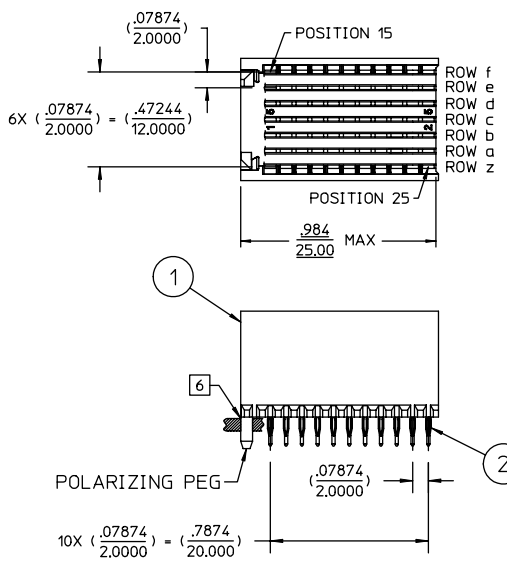
##### MATERIALS

- [1] Insulators ————— Thermoplastic Polyester, glass filled Rated UL 94V-0. Color: Gray
- [2] Pin contacts ————— Copper Alloy  
Finish: Mating Zone = 30µ Gold over Nickel  
Compliant Zone = Tin/Lead  
Performance Class 2 - 250 cycles

##### PERFORMANCE CHARACTERISTICS [1]

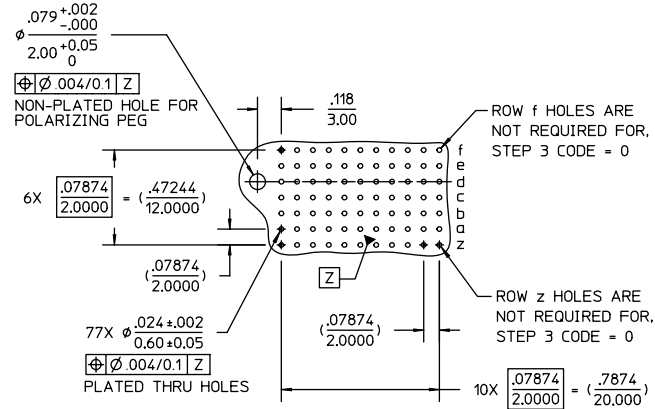
- Insulation resistance ————— 5,000 megohms minimum
- Dielectric withstanding voltage (at sea level) — 750 Vrms
- Current rating ————— 1 amp @ 70°C, fully loaded  
1.5 amp @ 20°C, fully loaded
- Operating temperature range ————— -55°C to +125°C
- Contact resistance ————— 20 milliohms maximum
- cUL Approved ————— File E31650
- Compliant Contact
- Max. Insertion Force (per contact) ————— 22.5 lbs. / 100 N
- Min. Retention Force (per contact) ————— 4.5 lbs. / 20 N

CUSTOMER TOOLING REQUIRED			
DESCRIPTION	SEATING TOOL CATALOG No.	INSTRUCTION SHEET	DRAWING NUMBER
BACKPANEL MODULE TYPE D	107-43895-01	43500	43895
INSERTION UNIT HOLDER 5 + 2 ROW MODULES	107-43901-01	43500	43901
INSERTION TOOL FOR INDIVIDUAL SHIELDING CONTACTS	107-43900-01	43505	43900
INSERTION TOOL FOR INDIVIDUAL SIGNAL CONTACTS	107-43899-01	43504	43899
EXTRACTION TOOL FOR INDIVIDUAL CONTACTS	107-43898-01	43503	43898

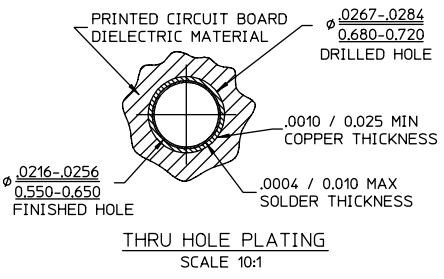


#### CATALOG No. NX5D0AE01A51AA SHOWN

CATALOG No. NX5D0AE01C54CA SHOWN  
(REAR PLUG-UP APPLICATION SHOWN)  
SAME AS NX5D0AE01A51AA EXCEPT AS SHOWN



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



PER ASME Y14.5M-1994 UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES OR MILLIMETERS TOLERANCES: DECIMALS .XX ±.02/0.5 .XXX ±.004/0.10 ANGLES ± -- SCALE: 1:1			
<b>CUSTOMER DRAWING</b>			
DRAWN BAS 11/28/00	DATE WPM 11/30/00	<b>Winchester Electronics</b> 82 Barnes Industrial Road North Wallingford, CT 06492	
APPROVED KP 11/29/00	DATE RAB 11/30/00	TITLE	MetCon-2® NX5 SERIES BACKPANEL CONNECTORS MODULE STYLE D
		REV. A	29613
		SHT. 1 OF 1	E