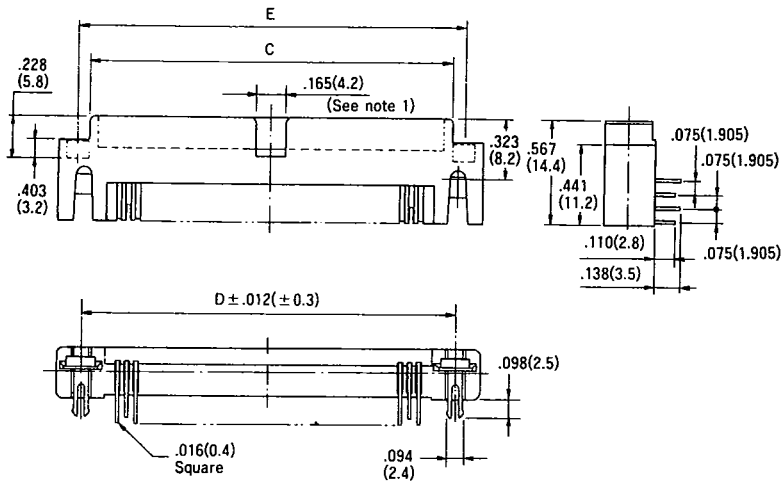
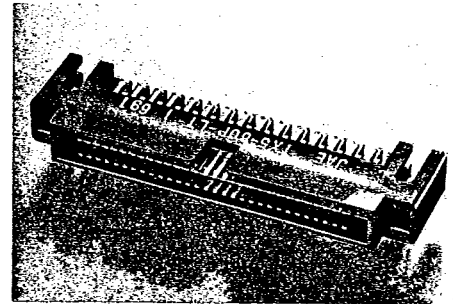
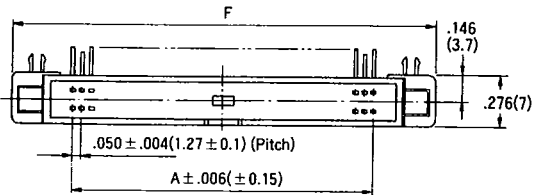


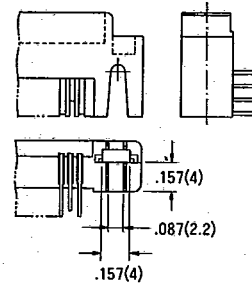
# PIN HEADER (WITH MOUNTING EARS)

## TX5-LT-M: Angle through hole type

### With Expansion Posts (H)

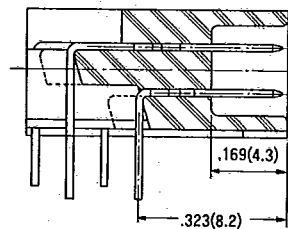
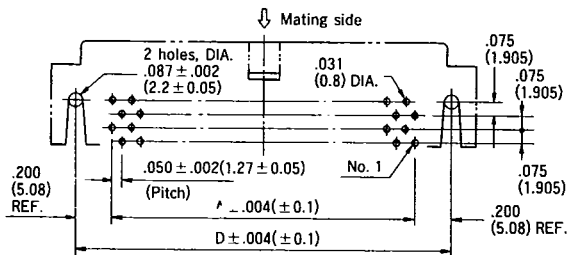


### Without Expansion Posts (N)

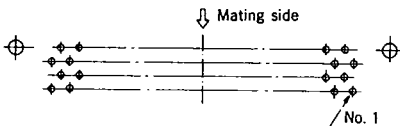


(Note 1) For 80 and 100 position connectors, two polarizing keyways are provided. For the other contact arrangements, one polarizing keyway is provided at the center.

### PCB MOUNTING HOLE DIMENSION



(Ref, only) contact location of 50 contacts



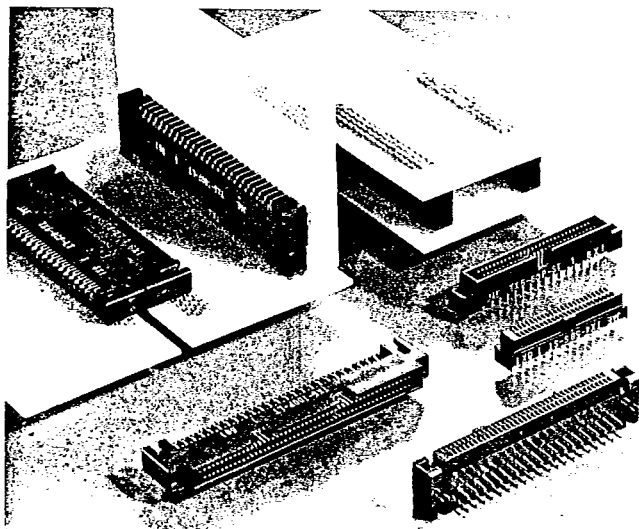
No. of Contact	Part Number (See note 1)		Inches					Millimeters				
	With expansion post	Without expansion post	A	C	D	E	F	A	C	D	E	F
				ref.		±.008	±.016		ref.		±0.2	±0.4
40	TX5-40P-D2LT-MH*	TX5-40P-D2LT-MN*	.950	1.289	1.350	1.415	1.626	24.13	32.73	34.29	35.93	41.3
50	TX5-50P-D2LT-MH*	TX5-50P-D2LT-MN*	1.200	1.539	1.600	1.665	1.878	30.48	39.08	40.64	42.28	47.7
60	TX5-60P-D2LT-MH*	TX5-60P-D2LT-MN*	1.450	1.789	1.850	1.915	2.126	36.83	45.43	46.99	48.63	54.0
68	TX5-68P-D2LT-MH*	TX5-68P-D2LT-MN*	1.650	1.989	2.050	2.115	2.327	41.91	50.51	52.07	53.71	59.1
80	TX5-80P-D2LT-MH*	TX5-80P-D2LT-MN*	1.950	2.289	2.350	2.415	2.626	49.53	58.13	59.69	61.33	66.7
100	TX5-100P-D2LT-MH*	TX5-100P-D2LT-MN*	2.450	2.789	2.850	2.915	3.126	62.23	70.83	72.39	74.03	79.4

(Note 1) \* Add finish code (Selective gold plating thickness on contact area)  
 1...000004 inch (0.1µm) min. 2...000012 inch (0.3µm) min. 3...000030 inch (0.76µm) min.

Dimensions subject to change.  
 (millimeters are in parenthesis)

# PCB TO PCB INTERCONNECTION

## Socket Receptacle (TX4) & Pin Header (TX5)



TX4 and TX5 connector make it possible to connect board to board horizontally, parallel and vertically by their combination.

Both female and male connectors are provided in Straight and Right-Angle through hole termination. Further, both male and female connectors are offered with-and without mounting ears.

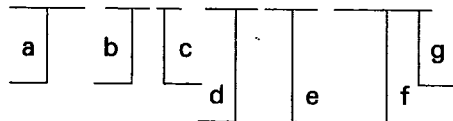
Through the use of optional polarization keys (please order separately), 16 different polarizing positions are available.

Type	Termination style	With Mounting ears		Without Mounting ears
		Expansion Post	Threaded	None
TX4	Straight	●	●	●
	Right angle	●	●	
TX5 (*1)	Straight	●	●	●
	Right angle	●	●	

Note(\*1) TX5 (Male connector) can also mate with TX1 and TX2 IDC connectors.

### ● HOW TO ORDER

**TX4-40S-D2ST-MH1**  
**TX5-40P-D2LT-N1**



- a:** Series prefix and connector type  
TX4-Female connector, through hole type  
TX5-Male connector, through hole type
- b:** Number of contact  
40, 50, 60, 68, 80, 100
- c:** Contact type  
P-Pin contact (TX5 only)  
S-Socket contact (TX4 only)
- d:** Contact arrangement  
D2-Double row
- e:** Termination style  
ST-Straight through hole  
LT-Right angle through hole
- f:** Mounting method  
MH-With mounting ears and expansion posts  
MN-With mounting ears and without expansion posts  
N-Without mounting ears and expansion posts
- g:** Contact finish code: Selective plating (Gold plating thickness on contact area).  
1... .000004inch (0.1μm) min.  
2... .000012inch (0.3μm) min.  
3... .000030inch (0.76μm) min.

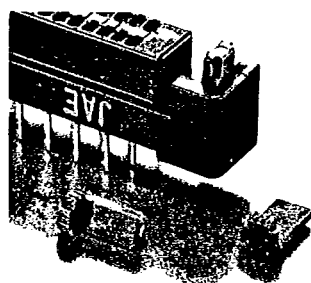
### ■ STANDARD DATA

Number of contacts	40, 50, 60, 68, 80, 100
Mating side contact layout	.050×.100inch (1.27×2.54mm), Double rows
PCB Hole pattern	.050×.075inch (1.27×1.905mm), 4row staggered
Current rating	0.5Amp max.
Operating voltage	250VAC r.m.s
Dielectric withstanding voltage	500VAC r.m.s
Insulation resistance	100 megohms min.
Contact resistance	25 milliohms max.
Applicable PCB	.063inch (1.6mm) max.

### ■ MATERIALS & FINISHES

Components	Materials	Finishes
Insulator	PBT	UL94V-O, Black
Expansion post	Phosphor bronze	Tin plating
Contact	Phosphor bronze	Contact area: Gold over nickel Termination area: Tin/Lead over plating

### POLARIZATION KEY: 201-50054



MATERIAL: Glass-filled Nylon  
Installed in the connector mounting ears these keys will allow 16 different polarization schemes.

