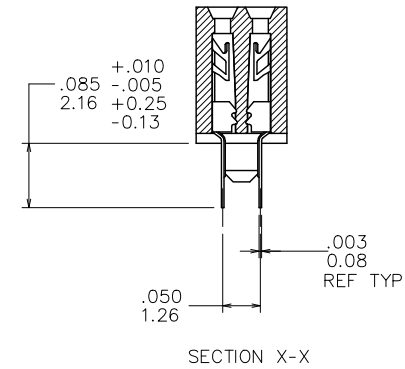
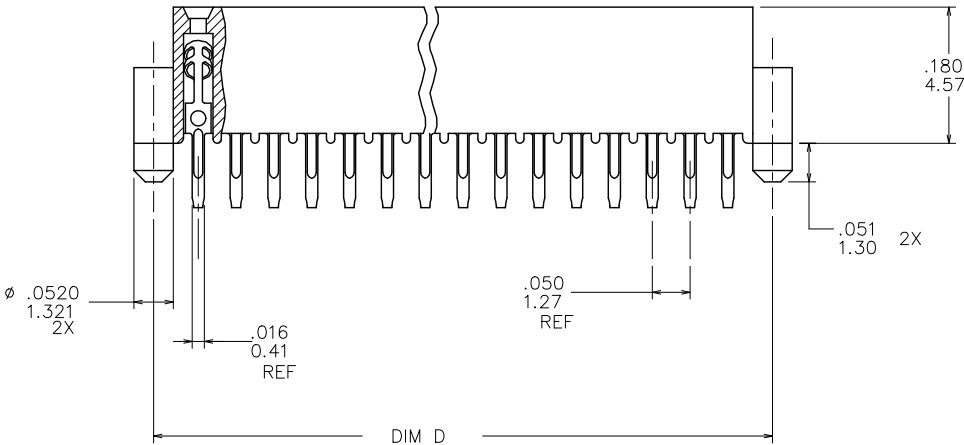
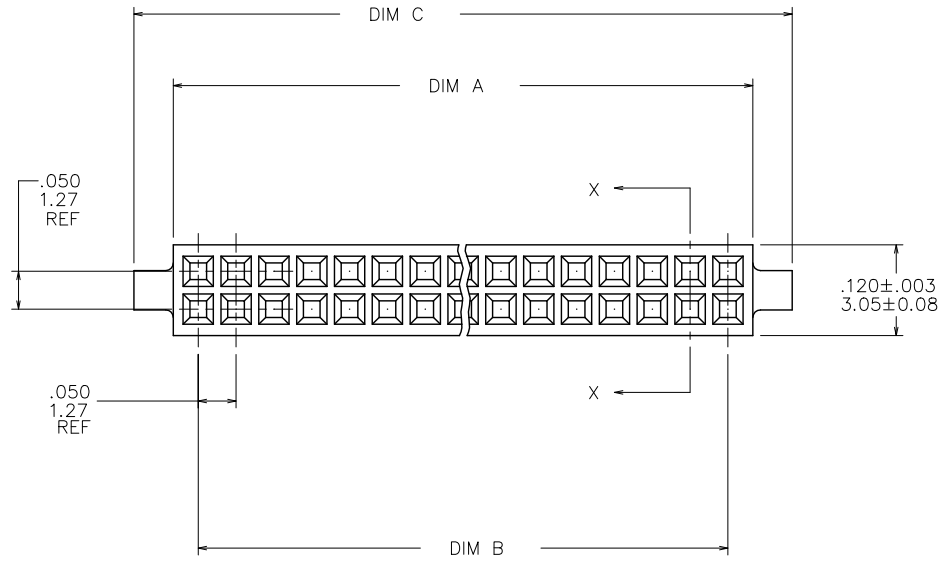


PRODUCT NUMBER  
SEE TABLE



mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIB CAGE	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
E	v02780	DLW	12/01/00	angles	linear	.xx ±.01/.3		.050cc VERT. CARD CONN.	
F	v10994	DLW	3/09/01			.xxx ±.005/.13		THRU MT. W/LOCK. FEATURES	
G	v11674	CRG	6/22/01	σ±2'		.xxxx ±.0020/.050		scale 4:1	
H	M05-0123	ERE	6/07/05	dr	D. SHEAFFER	12/01/88		dwg no	
J	M06-0284	AEA	7/27/06	engr	J. OSWALD	12/01/88		sheet 1 of 2 size	
K	N10-0174	YO	6/17/10	chr	J. OSWALD	12/01/88		87013 A3	
L	ELX-N-010266	YO	2/13/12	appd	J. OSWALD	12/01/88		type Product Customer Drawing	
sheet	revision	L	L						
index	sheet	1	2						

PRODUCT NO. NOTE 5	SIZE	DIM A	DIM B	DIM C	DIM D
87013-605	2 X 5	.266/6.756	.200/5.08	.370/9.398	.3200/8.128
-610	2 X 10	.516/13.106	.450/11.43	.620/15.748	.5700/14.478
-615	2 X 15	.766/19.456	.700/17.78	.870/22.098	.8200/20.828
-620	2 X 20	1.016/25.806	.950/24.13	1.120/28.448	1.0700/27.178
-625	2 X 25	1.266/32.156	1.200/30.48	1.370/34.798	1.3200/33.528
-630	2 X 30	1.516/38.506	1.450/36.83	1.620/41.148	1.5700/39.878
-635	2 X 35	1.766/44.856	1.700/43.18	1.870/47.498	1.8200/46.228
-640	2 X 40	2.016/51.206	1.950/49.53	2.120/53.848	2.0700/52.578
-645	2 X 45	2.266/57.556	2.200/55.88	2.370/60.198	2.3200/58.928
87013-650	2 X 50	2.516/63.906	2.450/62.23	2.620/66.548	2.5700/65.278

- NOTES:
- HOUSING MATERIAL:  
GLASS FILLED THERMOPLASTIC FLAME RETARDANT PER UL 94V-0  
COLOR: NATURAL
  - TERMINAL MATERIAL: BeCu
  - TERMINAL PLATING:  
30u"/0.76um MIN HARD GOLD OR GXT OVER Ni ON CONTACT ZONES.  
100u"/2.54um MIN TIN OVER 50u"/1.27um Ni. IN SOLDERING ZONES.  
OTHERWISE GOLD FLASH OR UNPLATED.
  - APPLICATION INFORMATION:
    - RECOMMENDED PCB LAYOUT PATTERN IS SHOWN IN FIGURE A.
    - MATING PINS TO BE .0176/0.447 TO .0181/0.459 DIA.
    - MATING PIN TIPS TO BE IN TRUE POSITION TO MATING GRID WITHIN .006/0.15 DIA.
    - SUGGESTED MATING PIN LENGTH .130/3.30 ±.010/0.25.
  - ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
  - IF P/N IS LF THE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
  - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm MINIMUM THICK CIRCUIT BOARD. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE.
  - PRODUCT SPEC PER BUS-12-087.

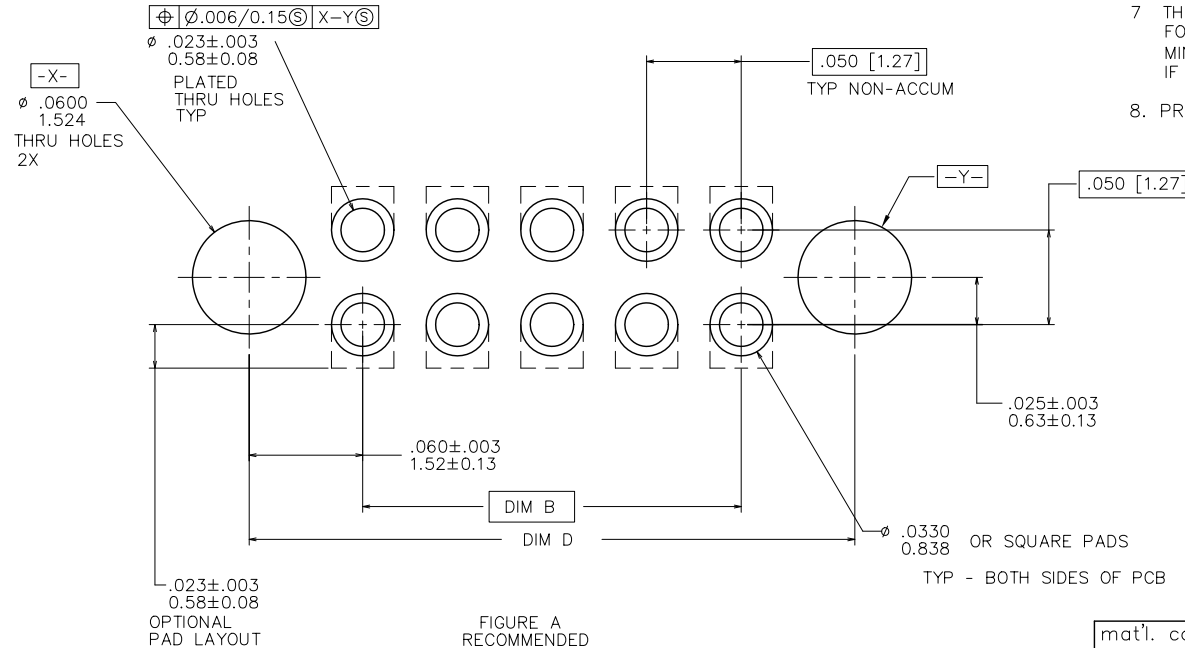


FIGURE A  
RECOMMENDED  
P.C.B. LAYOUT

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIB CAGE	
ltr	ecn	no	dr	date	tolerances unless otherwise specified			title	
L					angles	linear	xx ±.01/.3	.050cc VERT. CARD CONN.	
					σ±2'		xxx ±.005/.13	THRU MT. W/LOCK. FEATURES	
							xxxx ±.0020/.050	scale 10:1	
			dr	D. SHEAFFER	12/01/88			dwg no	
			enr	J. OSWALD	12/01/88			sheet 2 of 2	
			chr	J. OSWALD	12/01/88			size	
			appd	J. OSWALD	12/01/88			A3	
sheet index		revision sheet						type Product Customer Drawing	