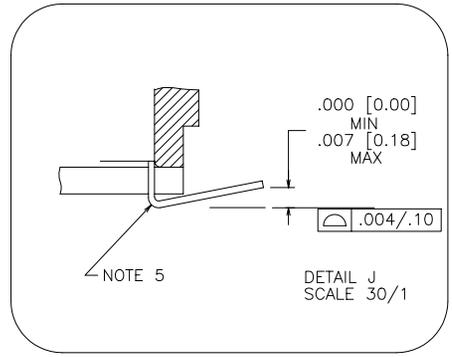
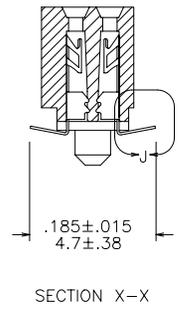
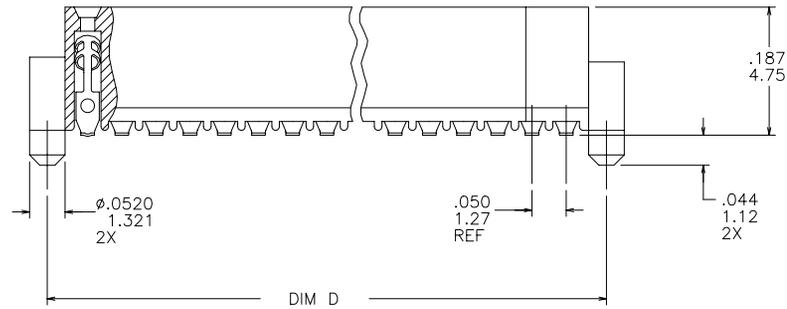
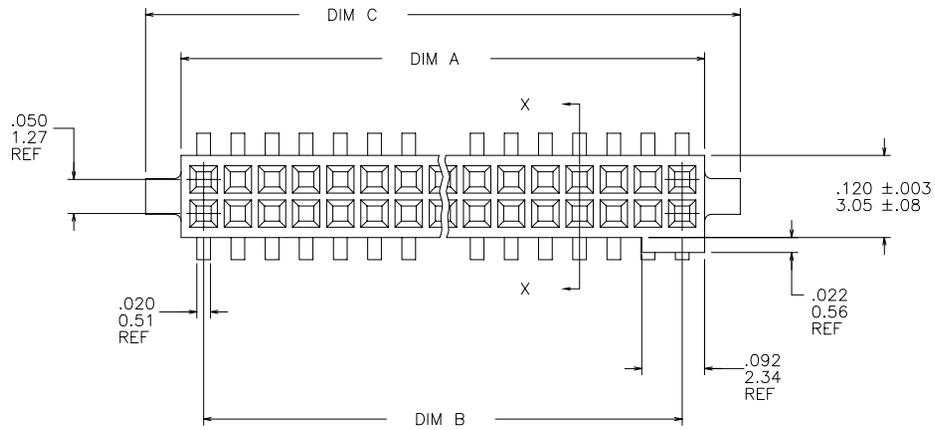


PRODUCT NUMBER  
SEE TABLE



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	
U	v81319	EPK	8/27/98	angles	linear			.050cc VERT. SMT.	
V	v02780	DLW	12/01/00			INCH/MM		W/LOC. & POL. FEATURE	
W	v10994	DLW	3/09/01	σ±2'		scale 1:1			
X	v11674	CRG	2/28/02	dr	M. CLOUSER	6/26/91		dwg no	
Y	v20420	CRG	2/28/02	enr	B. BARUFFALO	6/26/91		sheet 1 of 3 size	
AA	M05-0123	MHT	6/06/05	chr	B. BARUFFALO	6/26/91		87024 A3	
AB	M06-0284	AEA	7/27/06	app	B. BARUFFALO	6/26/91		type Product Customer Drawing	
sheet	revision	AB	AB	AB					
index	sheet	1	2	3					



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PRODUCT NO. NOTE 9	SIZE	DIM A	DIM B	DIM C	DIM D	SPECIAL PACKAGING	TAPE WIDTH PITCH	PIECES PER REEL
87024-605	2 X 5	.266/6.756	.200/5.08	.370/9.398	.3200/8.128	NOTE 6	24mm 12mm	750
-610	2 X 10	.516/13.106	.450/11.43	.620/15.748	.5700/14.478	NOTE 6	24mm 12mm	750
-610P	2 X 10	.516/13.106	.450/11.43	.620/15.748	.5700/14.478	NOTE 8	24mm 16mm	500
-615	2 X 15	.766/19.456	.700/17.78	.870/22.098	.8200/20.828	NOTE 6	44mm 12mm	500
-620	2 X 20	1.016/25.806	.950/24.13	1.120/28.448	1.0700/27.178	NOTE 7	-----	
-625	2 X 25	1.266/32.156	1.200/30.48	1.370/34.798	1.3200/33.528	NOTE 6	56mm 12mm	500
-630	2 X 30	1.516/38.506	1.450/36.83	1.620/41.148	1.5700/39.878	NOTE 6 & 7	56mm 12mm	500
-635	2 X 35	1.766/44.856	1.700/43.18	1.870/47.498	1.8200/46.228	NO	-----	
-640	2 X 40	2.016/51.206	1.950/49.53	2.120/53.848	2.0700/52.578	NOTE 7	-----	
-645	2 X 45	2.266/57.556	2.200/55.88	2.370/60.198	2.3200/58.928	NO	-----	
87024-650	2 X 50	2.516/63.906	2.450/62.23	2.620/66.548	2.5700/65.278	NOTE 7	-----	
87024-605LF	2 X 5	.266/6.756	.200/5.08	.370/9.398	.3200/8.128	NOTE 6	24mm	750

NOTES:

- HOUSING MATERIAL:  
GLASS FILLED THERMOPLASTIC FLAME RETARDANT PER UL 94V-0  
COLOR: BLACK
- TERMINAL MATERIAL: BeCu
- TERMINAL PLATING:  
30u"/.76u MIN HARD GOLD OVER Ni ON CONTACT ZONES,  
100u"/2.54u MIN TIN LEAD OVER Ni IN SOLDERING ZONES,  
OTHERWISE GOLD FLASH OR UNPLATED.  
LEAD FREE OPTION:  
30u"/.76u MIN HARD GOLD OVER Ni ON CONTACT ZONES,  
100u"/2.54u MIN TIN OVER Ni IN SOLDERING ZONES,  
OTHERWISE GOLD FLASH OR UNPLATED.
- APPLICATION INFORMATION:  
A. RECOMMENDED MOUNTING PAD PATTERN IS  
SHOWN IN FIGURE "A".  
B. MATING PINS TO BE .0176/-.447 TO .0181/-.459 DIA.  
C. MATING PIN TIPS TO BE IN TRUE POSITION TO MATING  
GRID WITHIN .006/-.15 DIA.  
D. SUGGESTED MATING PIN LENGTH .130/3.30  
±.010/-.25.
- LEAD TIPS TO BE ABOVE HEEL UP TO .007/0.18 MAX.  
COPLANARITY TO BE MEASURED AT LOWEST POINT (HEEL).
- ADD "TR" TO END OF DASH NUMBER FOR TAPE AND  
REEL PACKAGING WITH CAP.  
TOOLED ONLY FOR NOTED CONNECTORS.
- ADD "CT" TO END OF DASH NUMBER FOR CONNECTOR WITH CAP FOR  
VACUUM PICKUP IN TUBE.
- CUSTOMER SPECIAL, TAPE AND REEL PACKAGING, TOOLED  
ONLY FOR NOTED CONNECTOR.
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- IF LF P/N 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 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW  
OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE.

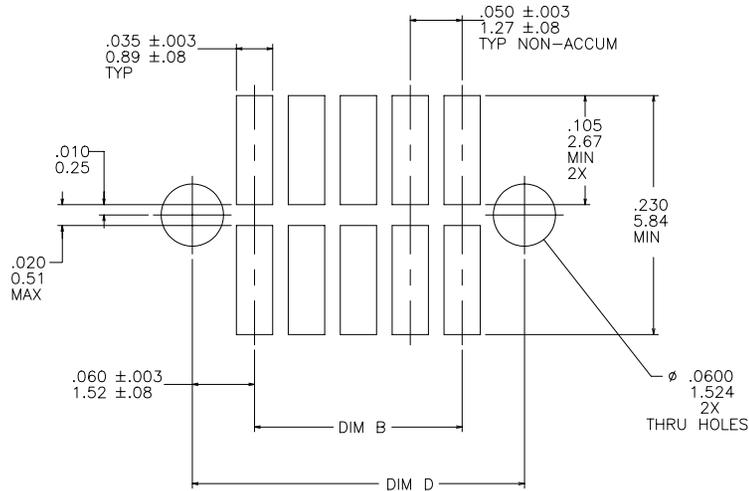


FIGURE A  
RECOMMENDED  
P.C.B. LAYOUT

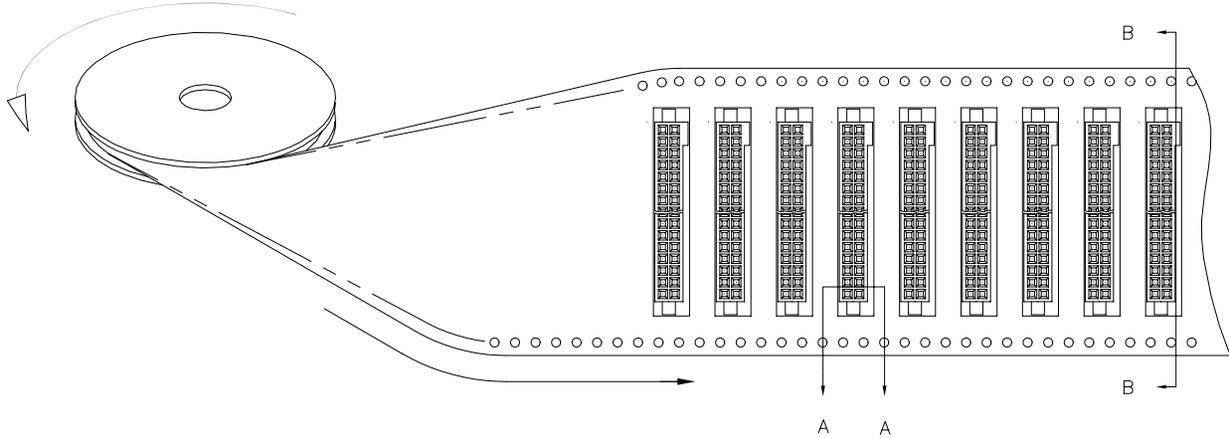
mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406		ISO 1101		RIB CAGE	
ltr		ecn		no		dr		date	
AB									
				tolerances unless otherwise specified		INCH/MM		title	
				xx ±.01/.3				.050cc VERT. SMT.	
				xxx ±.005/.13				W/LOC. & POL. FEATURE	
				σ±2'		xxxx ±.0020/.050		scale 1:1	
				dr		M. CLOUSER		6/26/91	
				enr		B. BARUFFALO		6/26/91	
				chr		B. BARUFFALO		6/26/91	
				app		B. BARUFFALO		6/26/91	
sheet		revision							
index		sheet							
								dwg no	
								87024	
								sheet 2 of 3 size	
								A3	
								type	
								Product Customer Drawing	

1 | 2 | 3 | 4 | 5 | 6

REFERENCE ONLY

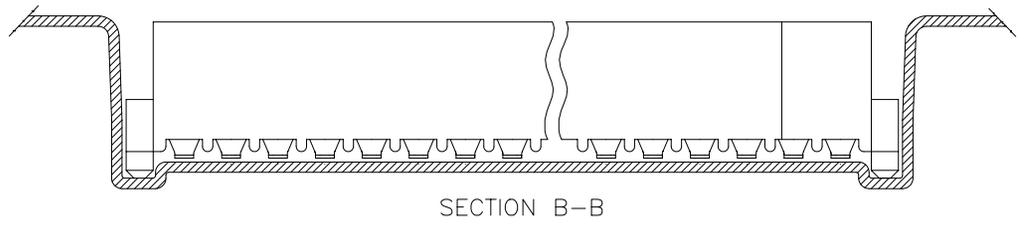
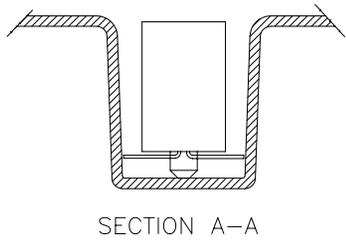
UNREELING  
DIRECTION

TAPE WIDTH'S 32mm AND ABOVE HAS BOTH FEED TRACKS,  
BELOW 32mm HAS TOP FEED TRACK ONLY.



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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	
AB						angles linear xx ±.01/.3 xxx ±.005/.13 xxxx ±.0020/.050		.050cc VERT. SMT. W/LOC. & POL. FEATURE	
						scale 1:1		dwg no	
				dr M. CLOUSER 6/26/91				sheet 3 of 3 size	
				enr B. BARUFFALO 6/26/91				87024 A3	
				chr B. BARUFFALO 6/26/91				type Product Customer Drawing	
				app B. BARUFFALO 6/26/91					
sheet index		revision sheet							

form: A3 | 1 | 2 | 3 | 4 | 5 | 6