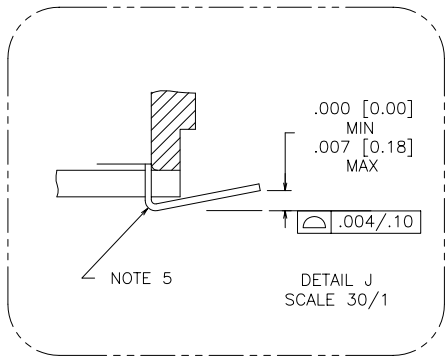
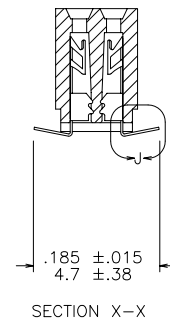
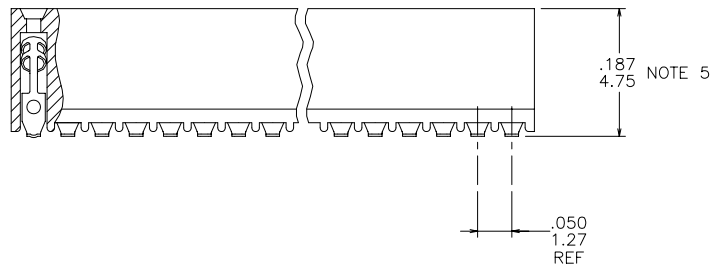
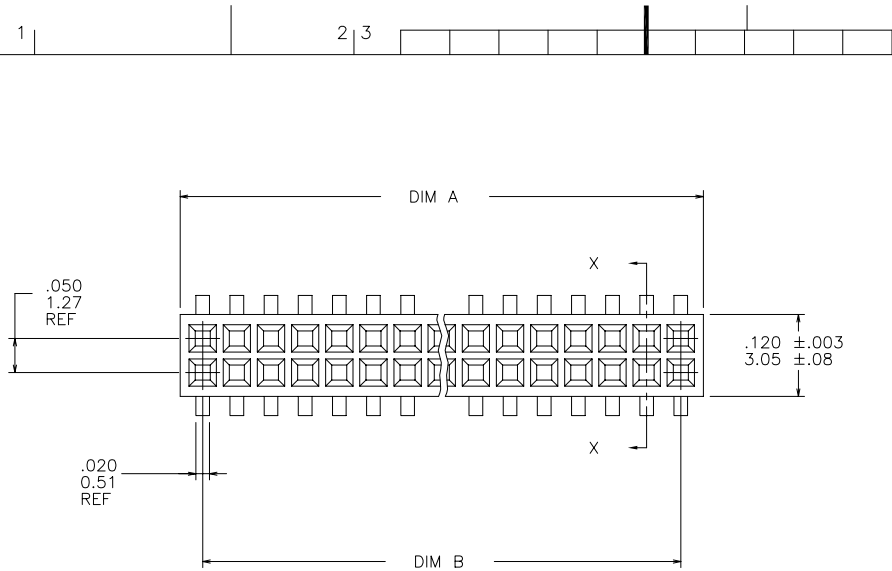


PRODUCT NUMBER  
SEE TABLE



mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
P	V80862	EPK	6/8/98	angles	linear	INCH/MM		.050/1.27 CC VERT CARD	
R	V02780	DLW	12/1/00			scale 4:1		CONN. ASSY. SURFACE MOUNT	
S	V10994	DLW	3/9/01	0°±2'				dwg no	
T	V11674	CRG	6/22/01	dr	M. CLOUSER	6/26/91		sheet 1 of 3 size	
U	M05-0088	MHT	5/12/05	engr	D. WHITING	6/26/91		87021 A3	
V	M06-0225	ERE	06/12/06	chr	C. GINGRICH	6/26/91		type Product Customer Drawing	
W	M06-0370	MHT	9/26/06	appd	D. WHITING	6/26/91			
sheet	revision	W	W	W					
index	sheet	1	2	3					



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PRODUCT NO. NOTE 8	SIZE	DIM A	DIM B	SPECIAL PACKAGING	TAPE WIDTH		PIECES PER REEL
						PITCH	
87021-605	2 X 5	.266/6.756	.200/5.08	NOTE 6	16MM	12MM	750
-610	2 X 10	.516/13.106	.450/11.43	NOTE 6	24MM	12MM	750
-615	2 X 15	.766/19.456	.700/17.78	NOTE 6	32MM	12MM	500
-620	2 X 20	1.016/25.806	.950/24.13	NOTE 6	44MM	12MM	500
-625	2 X 25	1.266/32.156	1.200/30.48	NOTE 6	44MM	12MM	500
-630	2 X 30	1.516/38.506	1.450/36.83	NO	_____	_____	---
-635	2 X 35	1.766/44.856	1.700/43.18	NO	_____	_____	---
-640	2 X 40	2.016/51.206	1.950/49.53	NO	_____	_____	---
-645	2 X 45	2.266/57.556	2.200/55.88	NO	_____	_____	---
87021-650	2 X 50	2.516/63.906	2.450/62.23	NO	_____	_____	---

- NOTES :
- HOUSING MATERIAL :  
GLASS FILLED THERMOPLASTIC FLAME RETARDANT PER UL94V-0.  
COLOR : BLACK
  - TERMINAL MATERIAL : BeCu
  - TERMINAL PLATING :  
30u"/.76u MIN HARD Au OVER Ni ON CONTACT ZONES.  
100u"/2.54u MIN Sn 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 .008/.20 DIA.  
D. SUGGESTED MATING PIN LENGTH .130/3.30 ±.010/.25.
  - LEAD TIPS TO BE ABOVE HEEL UP TO .007/.18 MAX.  
COPLANARITY TO BE MEASURED AT LOWEST POINT (HEEL).
  - ADD "TR" TO END OF DASH NUMBER FOR TAPE AND REEL PACKAGE WITH CAP. TOOLED ONLY FOR NOTED CONNECTORS.
  - ADD "CT" TO END OF DASH NUMBER FOR CONNECTOR WITH VACUUM CAP IN TUBE.
  - ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
  - 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 NOTE/PROCEDURES IF THEY ARE AVAILABLE.
  - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

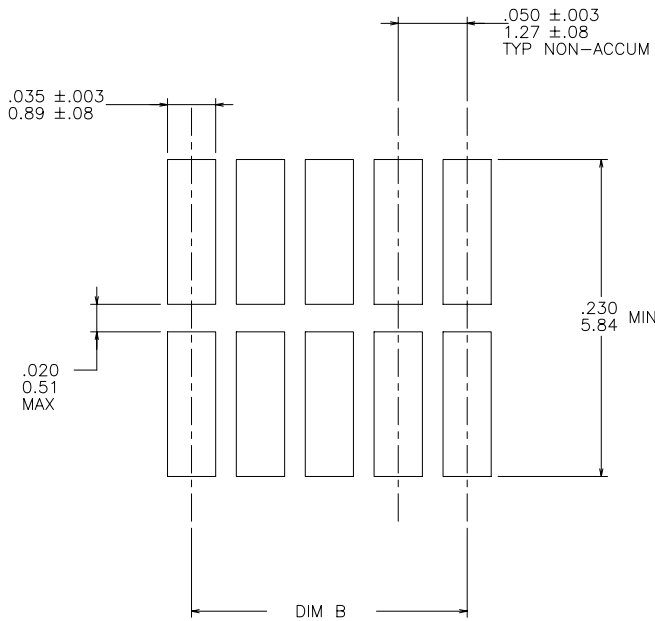


FIGURE "A"  
RECOMMENDED PCB  
MOUNTING PAD PATTERN

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406		⊕		RIBCAGE	
ltr		ecn		no		dr		date	
W									
				tolerances unless otherwise specified		INCH/MM		title	
				.xx±.01/0.3				.050/1.27 CC VERT CARD	
				.xxx±.005/0.13				CONN. ASSY. SURFACE MOUNT	
				.xxxx±.0020/0.051		scale 4:1		dwg no	
				dr		M. CLOUSER		6/26/91	
				enrg		D. WHITING		6/26/91	
				chr		C. GINGRICH		6/26/91	
				appd		D. WHITING		6/26/91	
sheet		revision							
index		sheet							



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1

2 3

4

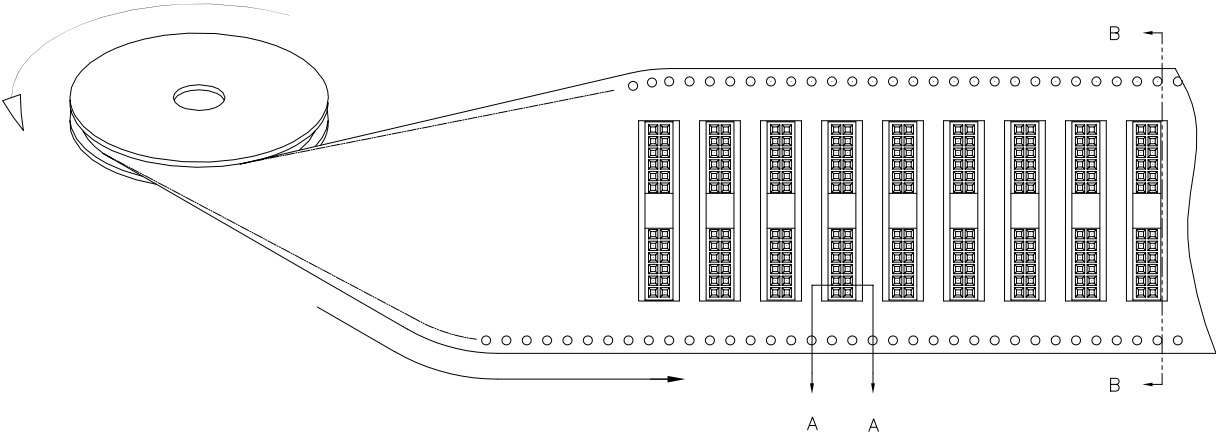
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6

REFERENCE ONLY

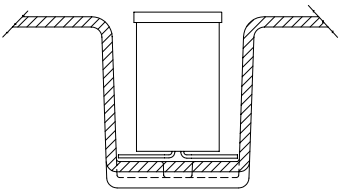
TAPE WIDTH'S 32mm AND ABOVE HAS BOTH FEED TRACKS,  
BELOW 32mm HAS TOP FEED TRACK ONLY.

UNREELING  
DIRECTION

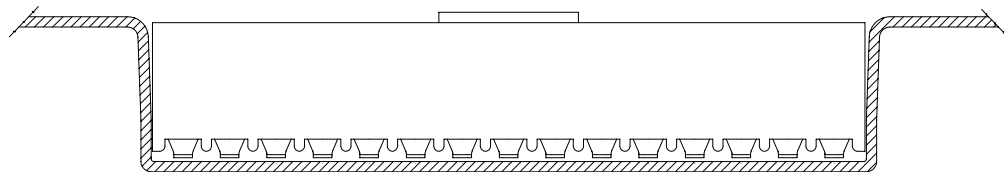


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SECTION A-A



SECTION B-B

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302		ISO 406		ISO 1101		RIBCAGE	
ltr		ecn no		date		tolerances unless otherwise specified		title	
W						.xx±.01/0.3		.050/1.27 CC VERT CARD	
				angles		linear		CONN. ASSY. SURFACE MOUNT	
				0°±2'		.xxx±.005/0.13		dwg no	
						.xxxx±.0020/0.051		sheet 3 of 3 size	
				dr		M. CLOUSER 6/26/91		87021 A3	
				enr		D. WHITING 6/26/91		type	
				chr		C. GINGRICH 6/26/91		Product Customer Drawing	
				appd		D. WHITING 6/26/91			
sheet index		revision sheet							

form: A3

1

2

3

4

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6