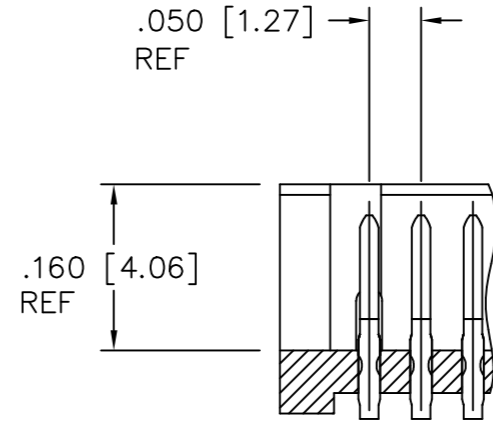
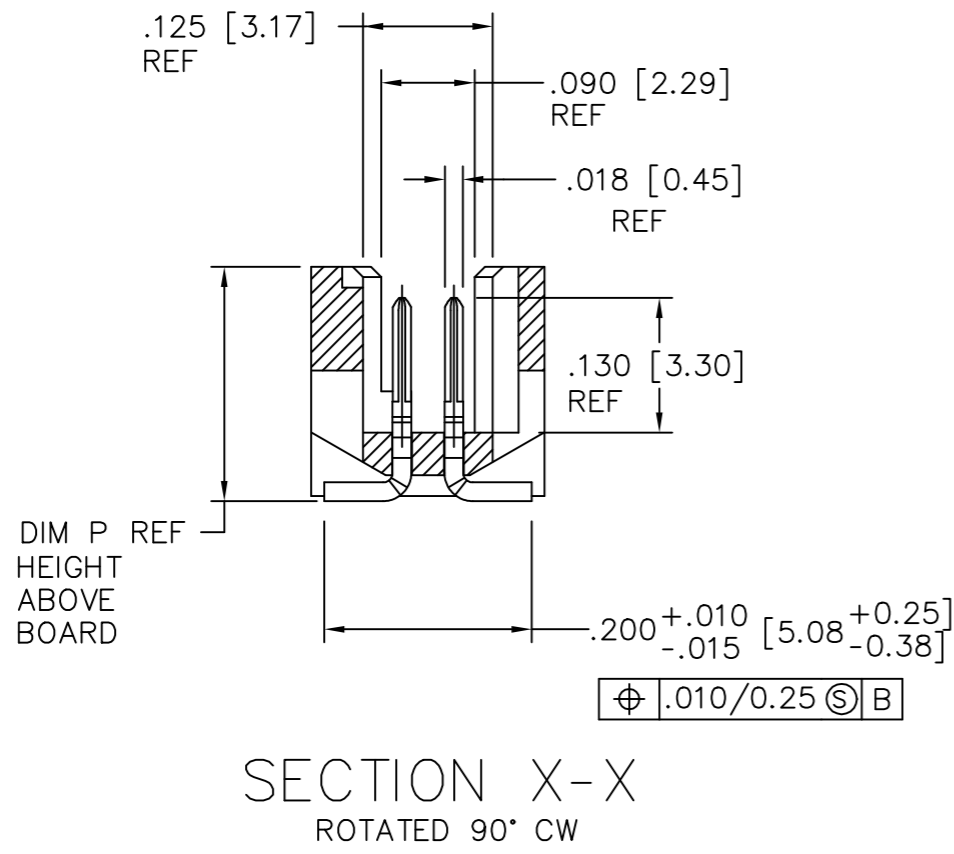


Copyright FCI

D

mat'l. code		surface		tolerance		projection		product family		
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE		
ltr	ec'n no	dr	date	tolerances unless otherwise specified				title		
AH	ELX-N-35658	A.Z	12/17/19	angles	linear	.XX±.01/0.3		RIBCAGE III SMT		
AJ	ELX-N-58543	AN	12/10/25			.XXX±.005/0.13		VERT. HEADER ASS'Y		
AC	M09-0087	MHT	06/10/09	±2'		.XXX±.0020/0.051		scale 3:1		
AD	N10-0174	YO	6/17/10	dr	ARTHUR.ZHAO	12/17/19		dwg no		
AE	ELX-N-004143	YO	06/20/11	enr	Alan Ni	12/10/25		sheet 1 of 8 size		
AF	ELX-N-004665	YO	07/27/11	chr	LQ.LEI	12/10/25		95781 A3		
AG	ELX-N-009746	YO	1/20/12	appd	TIM.YAO	12/10/25		type Product Customer Drawing		
sheet	revision									
index	sheet	1								

SIZE	DIM H	DIM J	DIM K	DIM L
2X5	.275/6.99	.200/5.08	.372/9.45	.320/8.13
2X10	.525/13.34	.450/11.43	.622/15.80	.570/14.48
2X15	.775/19.68	.700/17.78	.872/22.15	.820/20.83
2X20	1.025/26.03	.950/24.13	1.122/28.50	1.070/27.18
2X25	1.275/32.38	1.200/30.48	1.372/34.85	1.320/33.53
2X30	1.525/38.74	1.450/36.83	1.622/41.20	1.570/39.88
2X35	1.775/45.08	1.700/43.18	1.872/47.55	1.820/46.23
2X40	2.025/51.43	1.950/49.53	2.122/53.90	2.070/52.58
2X45	2.275/57.78	2.200/55.88	2.372/60.25	2.320/58.93
2X50	2.525/64.14	2.450/62.23	2.622/66.60	2.570/65.28

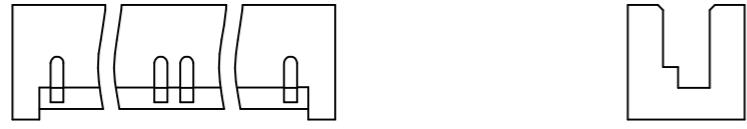


SECTION Y-Y

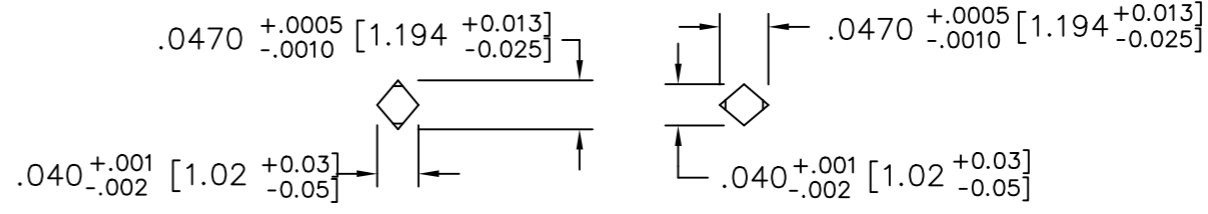
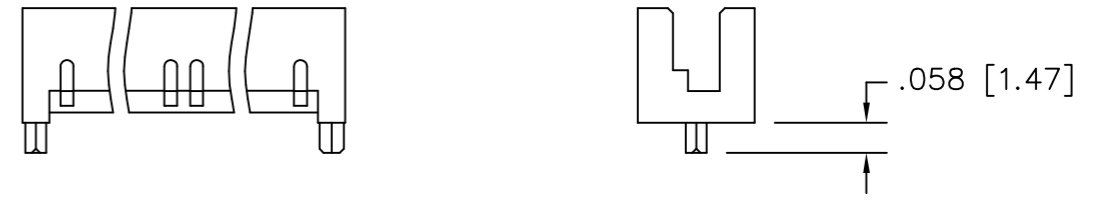
mat'l. code		surface		tolerance		projection		product family			
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE			
ltr	ecn no	dr	date	tolerances unless otherwise specified							
AJ				angles	linear	.XX±.01/0.3	INCH/MM		title		
				±2°		.XXX±.005/0.13	scale 3:1			RIBCAGE III SMT VERT. HEADER ASS'Y	
				dr	ARTHUR.ZHAO	12/17/19			dwg no	sheet 2 of 8	size
				enr	ARTHUR.ZHAO	12/10/25			95781		A3
				chr	LQ.LEI	12/10/25			type Product Customer Drawing		
				appd	TIM.YAO	12/10/25					
sheet index	revision sheet										

LOCATOR/HOLDDOWN VARIATIONS

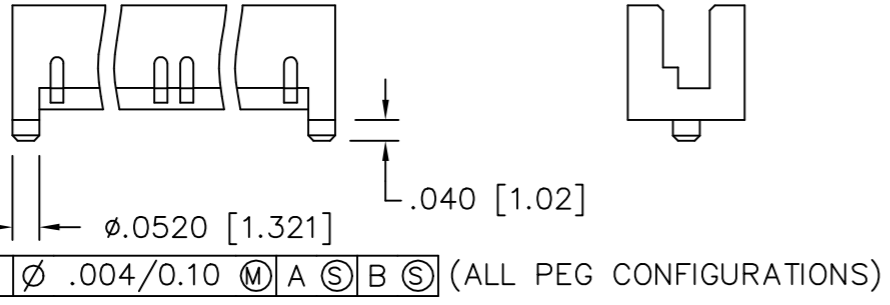
STYLE 1



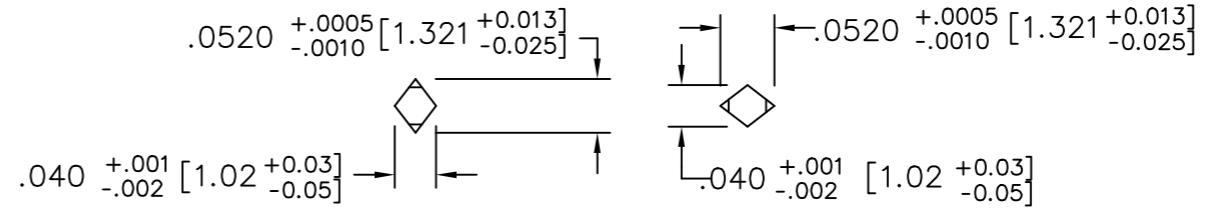
STYLE 5



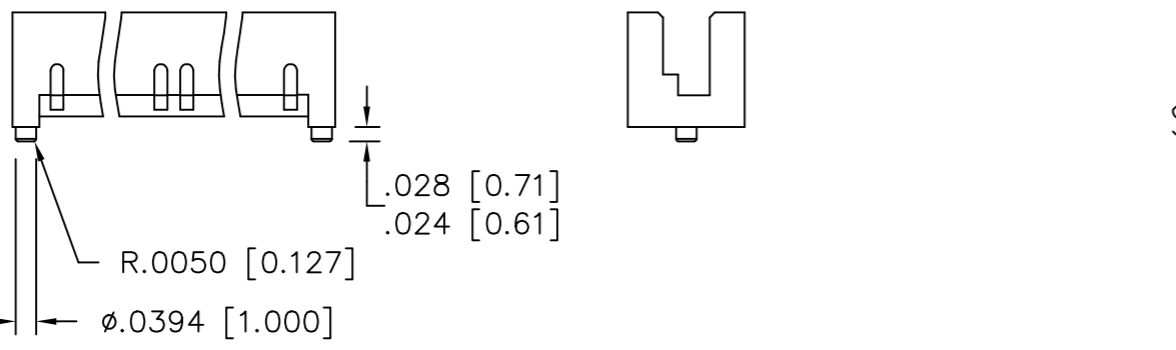
STYLE 2



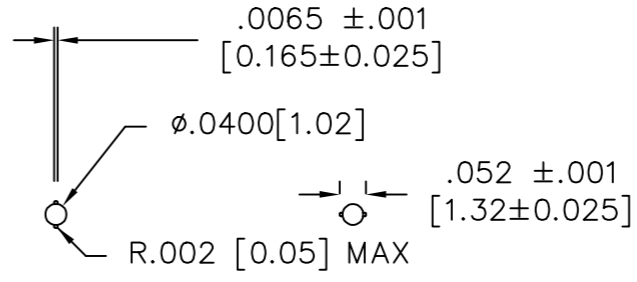
STYLE 6



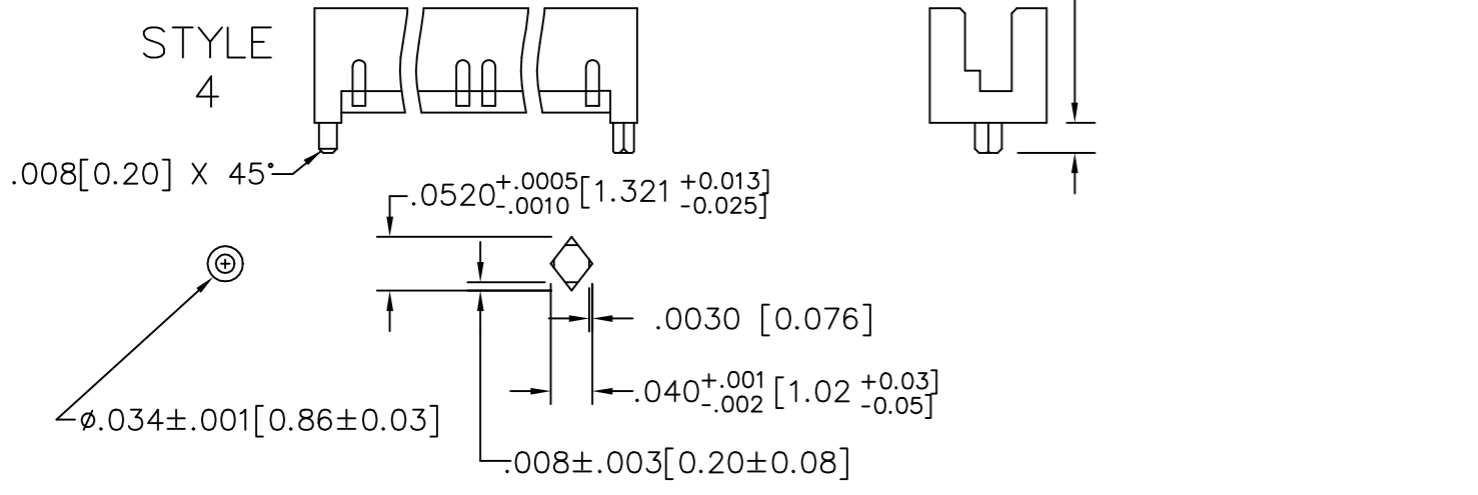
STYLE 3



STYLE 7



STYLE 4



mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE	
ltr		ecn no		dr		date		title	
AJ								RIBCAGE III SMT VERT. HEADER ASS'Y	
		angles		linear				sheet 3 of 8 size	
		±2°		.XX±.01/0.3 .XXX±.005/0.13 .XXX±.0020/0.051		INCH/MM		95781 A3	
		dr		enr		chr		type	
		ARTHUR.ZHAO 12/17/19		Alan Ni 12/10/25		LQ.LEI 12/10/25		Product Customer Drawing	
		enr		chr		appd			
		Alan Ni 12/10/25		LQ.LEI 12/10/25		TIM.YAO 12/10/25			
sheet index		revision sheet							

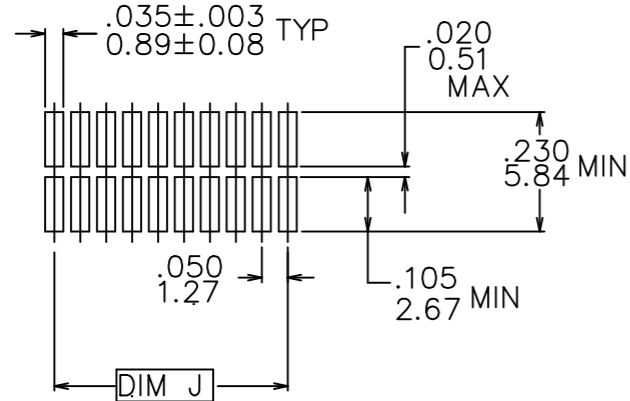


Copyright FCI

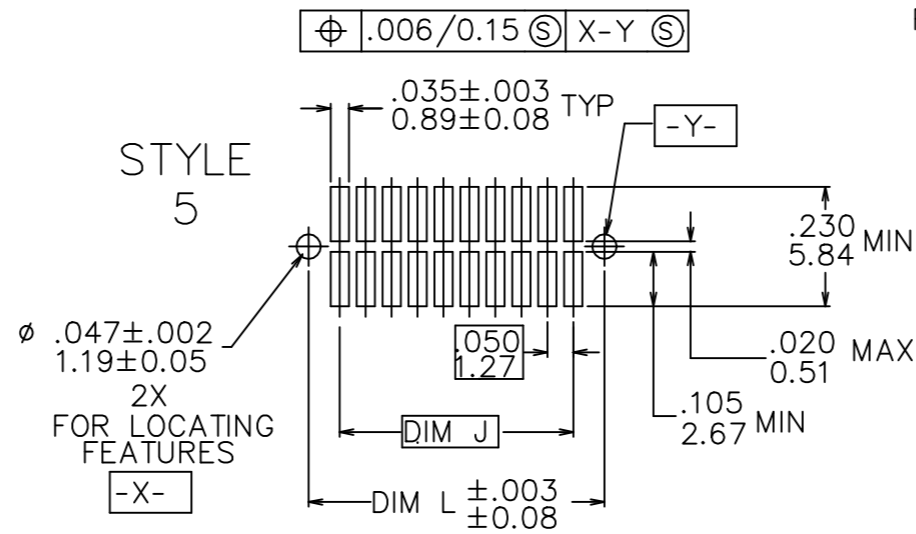


RECOMMENDED PCB MOUNTING PAD PATTERN

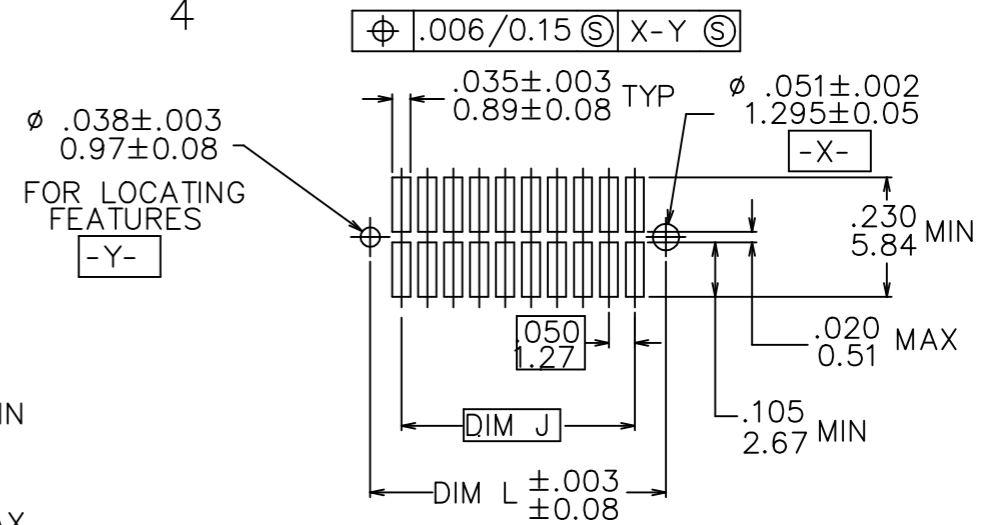
STYLE 1



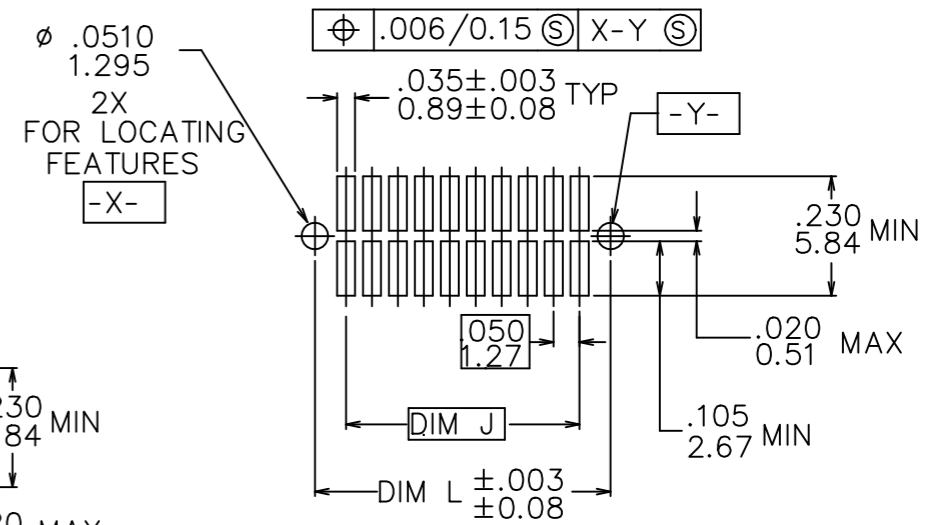
STYLE 5



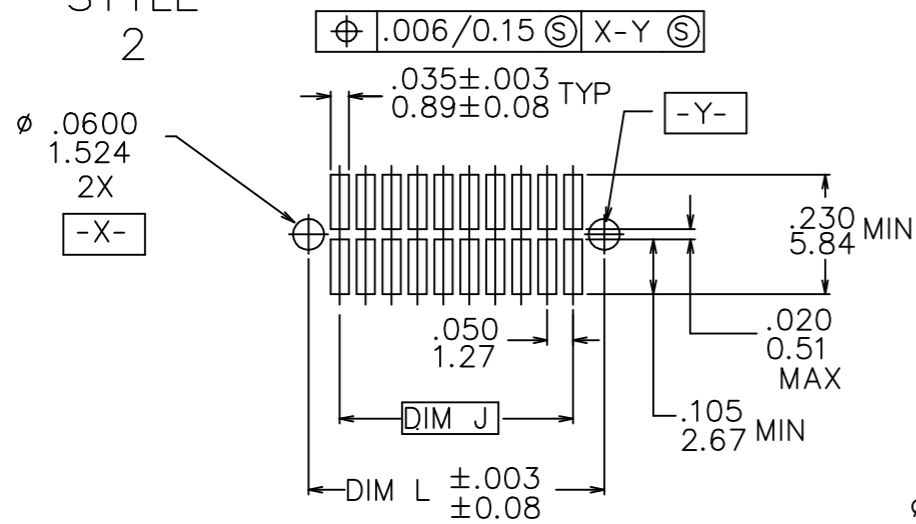
STYLE 4



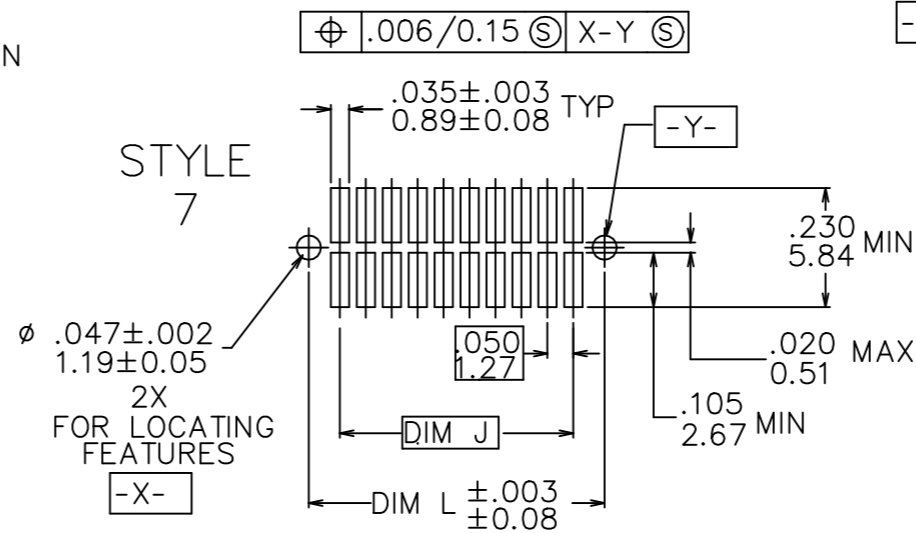
STYLE 6



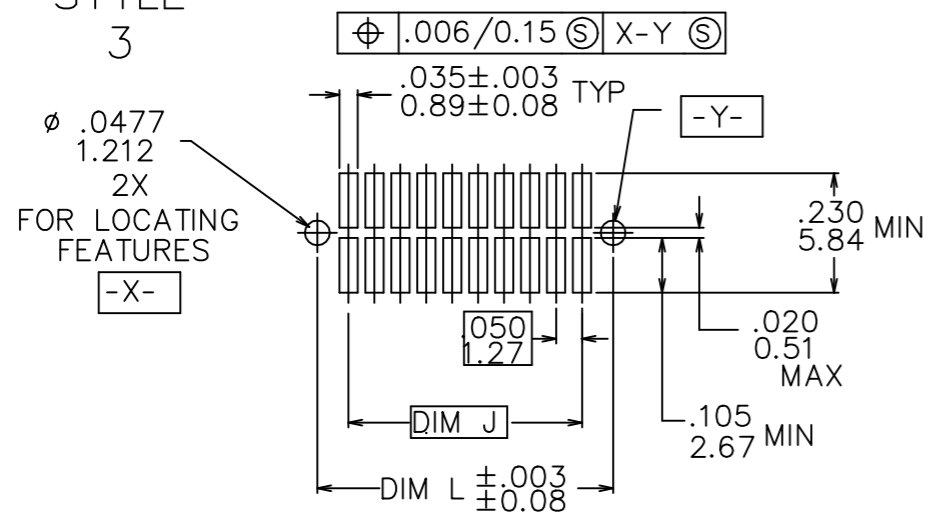
STYLE 2



STYLE 7



STYLE 3



mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE	
ltr	ecn no	dr	date	tolerances unless otherwise specified					
AJ				angles	linear	.XX±.01/0.3		title	
				±2'		.XXX±.005/0.13		RIBCAGE III SMT VERT. HEADER ASS'Y	
						.XXX±.0020/0.051		scale 3:1	
		dr	ARTHUR.ZHAO	12/17/19			sheet 4 of 8 size		
		enr	Alan Ni	12/10/25			95781 A3		
		chr	LQ.LEI	12/10/25			type Product Customer Drawing		
		appd	TIM.YAO	12/10/25					
sheet index	revision sheet								

PRODUCT NUMBER NOTE 1,4A & 4B	DIM P HEIGHT ABOVE BOARD (REF.)	HOLDDOWN STYLE
72428-1XX	.244/6.20	1
73546-1XX	.364/9.25	1
73547-1XX	.364/9.25	2
73548-1XX	.364/9.25	4
84700-1XX	.226/5.74	7
84701-1XX	.298/7.57	7
84734-1XX	.364/9.25	7
87401-1XX	.226/5.74	6
87409-1XX	.226/5.74	2
87849-1XX	.226/5.74	1
88566-1XX	.260/6.60	2
90098-1XX	.298/7.57	2
90863-1XX	.226/5.74	1
91036-1XX	.364/9.25	5
91423-1XX	.226/5.74	2
91855-1XX	.226/5.74	5
92099-1XX	.226/5.74	4
92412-1XX	.298/7.57	4
93206-1XX	.226/5.74	3
93221-1XX	.298/7.57	1
93289-1XX	.298/7.57	5
87409-2XX	.226/5.74	2

OBSOLETE

OBSOLETE

OBSOLETE

OBSOLETE

SEE NOTE 10

* OBSOLETE

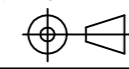
OBSOLETE

OBSOLETE

OBSOLETE

TABLE A

CUSTOMER SPECIAL

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE	
ltr	ecn no	dr	date	tolerances unless otherwise specified					
AJ				angles	linear	.XX±.01/0.3		title	
						.XXX±.005/0.13		RIBCAGE III SMT	
				±2°		.XXXX±.0020/0.051		VERT. HEADER ASS'Y	
				dr	ARTHUR.ZHAO	12/17/19		dwg no	
				enr	Alan Ni	12/10/25		sheet 5 of 8 size	
				chr	LQ.LEI	12/10/25		95781 A3	
				appd	TIM.YAO	12/10/25		type Product Customer Drawing	
sheet index	revision sheet								

PRODUCT NUMBER NOTE 11,4C	QTY. REEL	TAPE WIDTH PITCH MM	CONNECTOR ORIENTATION IN TAPE POCKET
72428-120TR	500	44/12	VIEW 1
73546-105TR		24/12	
73546-110TR		32/12	
73546-115TR		44/12	
73546-120TR		44/12	
73546-125TR		56/12	
73546-130TR		56/12	
73546-135TR		72/12	
73546-140TR		72/12	
73546-145TR		72/12	
73546-150TR		88/12	
73547-105TR		24/12	
73547-110TR		32/12	
73547-110WP		44/12	
73547-115TR		44/12	
73547-120TR		44/12	
73547-125TR		56/12	
73547-130TR		56/12	
73547-135TR		72/12	
73547-140TR		72/12	
73547-145TR		72/12	
73547-150TR	500	88/12	
84700-105TR	400	24/12	
84700-135TR	500	72/12	
87409-105TR		24/12	
87409-110TR		24/12	
87409-115TR		44/12	
87409-120TR		44/12	
87409-125TR		56/12	
87409-130TR		56/12	
87409-210TR	500	24/12	VIEW 1

OBSOLETE

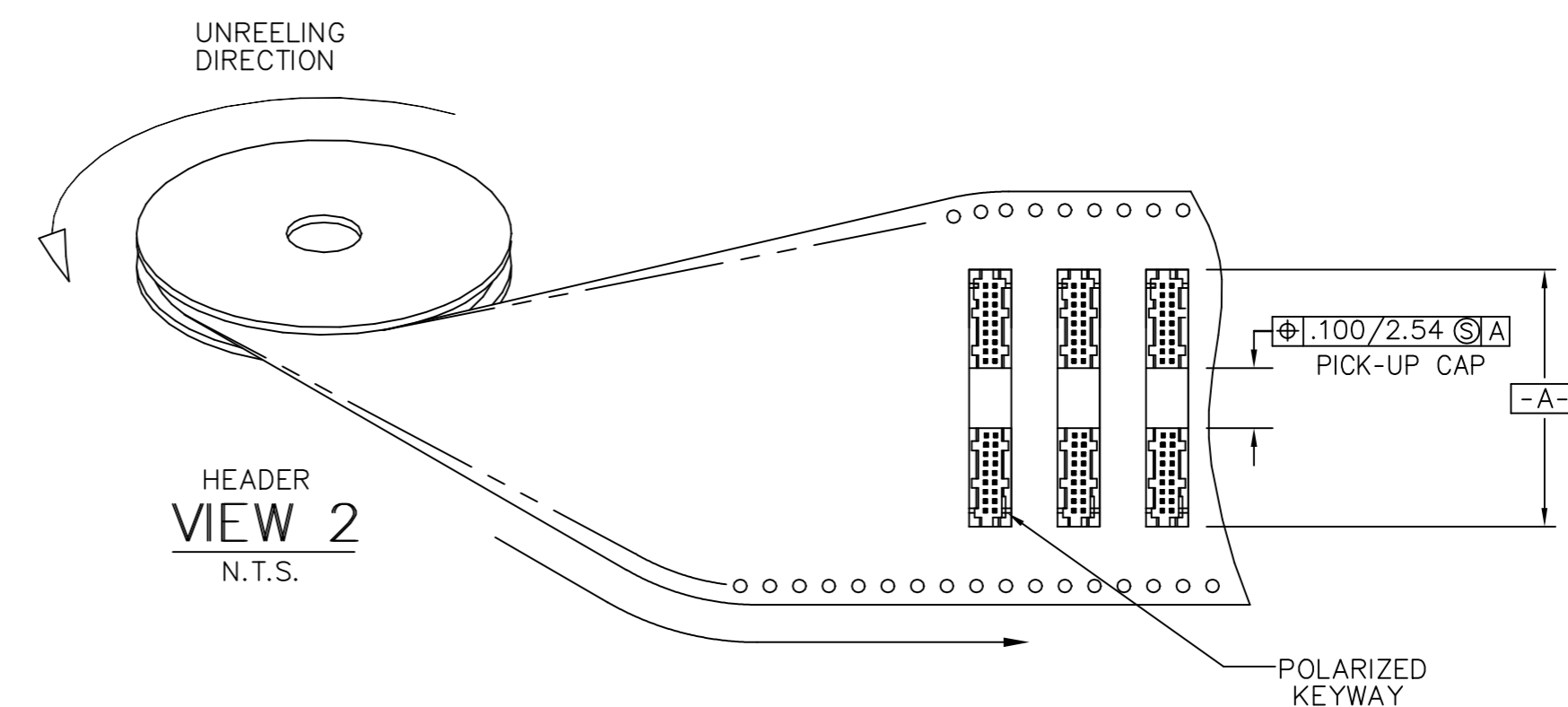
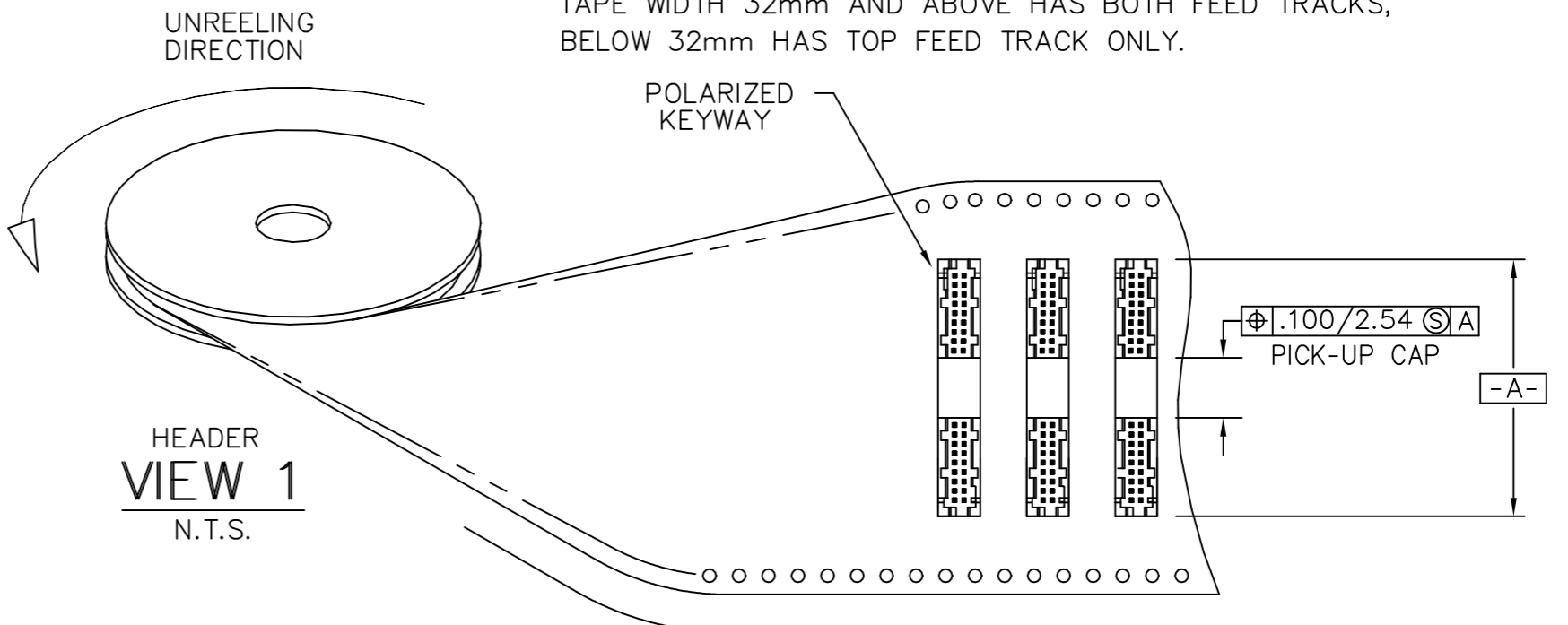
OBSOLETE

OBSOLETE

TABLE C

REFERENCE ONLY :

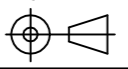
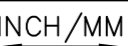

TAPE WIDTH 32mm AND ABOVE HAS BOTH FEED TRACKS,
BELOW 32mm HAS TOP FEED TRACK ONLY.



mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302		ISO 406		INCH/MM		RIBCAGE	
ltr		ecn no		dr		date		title	
AJ								RIBCAGE III SMT VERT. HEADER ASS'Y	
		angles		linear		scale 3:1		dwg no	
		±2'		.xxx±.005/0.13				sheet 6 of 8	
				.xxx±.0020/0.051				size	
		dr		ARTHUR.ZHAO		12/17/19		95781	
		enr		Alan Ni		12/10/25		A3	
		chr		LQ.LEI		12/10/25		type	
		appd		TIM.YAO		12/10/25		Product Customer Drawing	
sheet index		revision sheet							

PRODUCT NUMBER NOTE 11,4C	QTY. REEL	TAPE WIDTH PITCH MM	CONNECTOR ORIENTATION IN TAPE POCKET
87409-135TR	500	72/12	VIEW 1
87409-140TR	↑	72/12	↑
87409-145TR		72/12	
87409-150TR		88/12	
87849-105TR		24/12	
87849-110TR		24/12	
87849-115TR		44/12	
87849-120TR		44/12	
87849-125TR		56/12	
87849-130TR		56/12	
87849-135TR		72/12	
87849-140TR		72/12	
87849-145TR		72/12	
87849-150TR		88/12	
88566-110TR		24/12	
88566-115TR		44/12	
88566-130TR	500	56/12	
90098-105TR	400	24/12	
90098-110TR	400	32/12	
90098-115TR	500	44/12	
90098-120TR	500	44/12	
90098-125TR	400	56/12	
90098-130TR	500	56/12	
90098-135TR	↑	72/12	
90098-140TR		72/12	
90098-145TR		72/12	
90098-150TR		88/12	
90863-110		24/12	↓
90863-115	500	44/12	VIEW 1

TABLE C

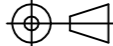

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE	
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
AJ				angles	linear			RIBCAGE III SMT VERT. HEADER ASS'Y	
				±2'		scale 3:1		dwg no	
								sheet 7 of 8 size	
				dr	ARTHUR.ZHAO	12/17/19	95781		A3
				enr	Alan Ni	12/10/25	type		Product Customer Drawing
				chr	LQ.LEI	12/10/25			
				appd	TIM.YAO	12/10/25			
sheet index	revision sheet								

PRODUCT NUMBER NOTE 11,4C	QTY. REEL	TAPE WIDTH PITCH MM	CONNECTOR ORIENTATION IN TAPE POCKET
90863-115REV	500	44/12	VIEW 2
90863-120	↑	44/12	VIEW 1
90863-125		56/12	↑
90863-130		56/12	
91036-110P		24/16	
93206-110TR	↓	24/12	
93206-115TR	500	44/12	
93221-105TR	400	24/12	
93221-110TR	400	32/12	
93221-115TR	500	44/12	
93221-120TR	500	44/12	
93221-125TR	400	56/12	
93221-130TR	500	56/12	
93221-135TR	↑	72/12	
93221-140TR	↓	72/12	
93221-145TR	↓	72/12	↓
93221-150TR	500	88/12	VIEW 1

TABLE C

NOTES:

- ① XXXXX-XXXXX LF
 L LEAD FREE OPTION (NOTE 11& 13)
 / :TUBE WITHOUT VACUUM CAP
 CT:TUBE WITH VACUUM CAP
 TR:TAPE & REEL WITH VACUUM CAP
 WP:TAPE & REEL WITHOUT VACUUM CAP
 NUMBER OF POSITIONS (NOTE 2)
 1:NATURAL COLOUR
 2:BLACK COLOUR
2. NUMBER OF POSITIONS = 05 THRU 50 IN 5 POS INCREMENTS.
(EXAMPLE : 05=10 POS., 10=20 POS. ETC.)
- ③ REQUIRED ON -X40,-X45 & -X50 POSITION PARTS ONLY.
- ④ PACKAGING :
 A. ANTISTATIC TUBES. SEE TABLE A
 B. ADD "CT" TO END OF DASH NUMBER FOR CONNECTOR WITH VACUUM CAP IN ANTISTATIC TUBES.
 EX. : XXXXX-1XXCT
 C. PRESSURE SEALED TAPE AND REEL. SEE TABLE C FOR AVAILABLE PART NUMBERS.
5. HOUSING MATERIAL :
 GLASS FILLED THERMOPLASTIC FLAME RETARDANT PER UL 94V-0.
 COLOR : NATURAL/BLACK
6. TERMINAL PLATING :
 30u"/.76u HARD GOLD OR GXT OVER 50u"/1.27u NI ON CONTACT ZONES.
 100u"/2.54u PURE TIN OVER 50u"/1.27u Ni IN SOLDERING ZONES.
- ⑦ MOLDING FLOW RESTRICTOR QUANTITY AND LOCATION IS MANUFACTURING OPTION.
- ⑧ VACUUM CAP SLOT REQUIRED ON ALL SIZES, SLOT MAY BE LOCATED ON OPPOSITE SIDE FOR 2 X 5.
- ⑨ STYLE 6 IS NOT AVAILABLE IN TAPE AND REEL.
- ⑩ 90863-1XX IS PACKAGED ONLY IN TAPE AND REEL.
- ⑪ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
12. 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.
13. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
14. PRODUCT SPECIFICATION SEE BUS-12-087.

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE	
ltr	ecn no	dr	date	tolerances unless otherwise specified					
AJ				angles	linear	.XX±.01/0.3		title	
						.XXX±.005/0.13		RIBCAGE III SMT	
				±2'		.XXX±.0020/0.051		VERT. HEADER ASS'Y	
		dr	ARTHUR.ZHAO	12/17/19	scale 3:1		dwg no		
		enr	Alan Ni	12/10/25			sheet 8 of 8		
		chr	LQ.LEI	12/10/25			95781		
		appd	TIM.YAO	12/10/25			A3		
sheet index		revision sheet		type Product Customer Drawing					