

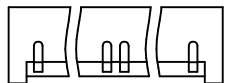
mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406		ISO 1101		RIBCAGE	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
AH	ELX-N-35658	A.Z	12/17/19	angles	linear	.XX±.01/0.3	INCH/MM		RIBCAGE III SMT VERT. HEADER ASS'Y
AB	M09-0058	MHT	4/04/09			.XXX±.005/0.13	scale 3:1		
AC	M09-0087	MHT	06/10/09	±2'		.XXXX±.0020/0.051			dwg no 95781 sheet 1 of 8 size A3
AD	N10-0174	YO	6/17/10	dr	ARTHUR.ZHAO	12/17/19			
AE	ELX-N-004143	YO	06/20/11	enrg	ARTHUR.ZHAO	12/17/19			type Product Customer Drawing
AF	ELX-N-004665	YO	07/27/11	chr	LQ.LEI	12/17/19			
AG	ELX-N-009746	YO	1/20/12	appd	TIM.YAO	12/17/19			
sheet	revision	AH	AH	AH	AH	AH	AH	AH	
index	sheet	1	2	3	4	5	6	7	8



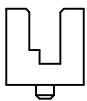
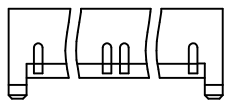
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LOCATOR/HOLDDOWN VARIATIONS

STYLE 1



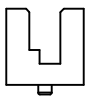
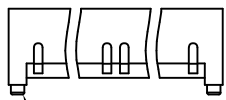
STYLE 2



$\phi .0520$ [1.321]
 \downarrow .040 [1.02]

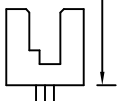
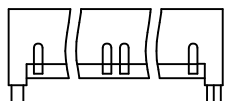
$\oplus \phi .004/0.10 \text{ (M)} \text{ A } \text{S} \text{ B } \text{S}$ (ALL PEG CONFIGURATIONS)

STYLE 3



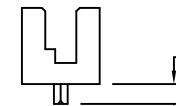
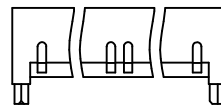
\downarrow .028 [0.71]
 \downarrow .024 [0.61]
 R.0050 [0.127]
 \leftarrow $\phi .0394$ [1.000]

STYLE 4



\downarrow .0520 $^{+.0005}$ $_{-.0010}$ [1.321 $^{+.013}$ $_{-.025}$]
 \downarrow .0030 [0.076]
 \downarrow .040 $^{+.001}$ $_{-.002}$ [1.02 $^{+.03}$ $_{-.05}$]
 \downarrow .008 \pm .003 [0.20 \pm 0.08]
 \leftarrow $\phi .034 \pm .001$ [0.86 \pm 0.03]
 \searrow .008 [0.20] X 45°

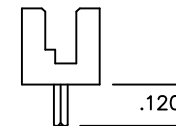
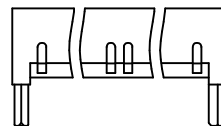
STYLE 5



\downarrow .0470 $^{+.0005}$ $_{-.0010}$ [1.194 $^{+.013}$ $_{-.025}$]
 \downarrow .0470 $^{+.0005}$ $_{-.0010}$ [1.194 $^{+.013}$ $_{-.025}$]
 \downarrow .040 $^{+.001}$ $_{-.002}$ [1.02 $^{+.03}$ $_{-.05}$]
 \downarrow .040 $^{+.001}$ $_{-.002}$ [1.02 $^{+.03}$ $_{-.05}$]

\downarrow .058 [1.47]

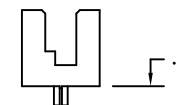
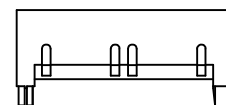
STYLE 6
SEE NOTE 9



\downarrow .0520 $^{+.0005}$ $_{-.0010}$ [1.321 $^{+.013}$ $_{-.025}$]
 \downarrow .0520 $^{+.0005}$ $_{-.0010}$ [1.321 $^{+.013}$ $_{-.025}$]
 \downarrow .040 $^{+.001}$ $_{-.002}$ [1.02 $^{+.03}$ $_{-.05}$]
 \downarrow .040 $^{+.001}$ $_{-.002}$ [1.02 $^{+.03}$ $_{-.05}$]

\downarrow .120 [3.05]

STYLE 7

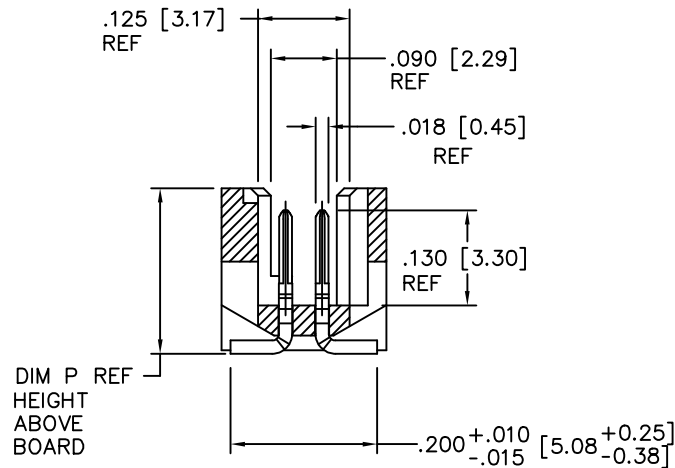


\downarrow .0065 \pm .001 [0.165 \pm 0.025]
 \downarrow $\phi .0400$ [1.02]
 \downarrow .052 \pm .001 [1.32 \pm 0.025]
 R.002 [0.05] MAX

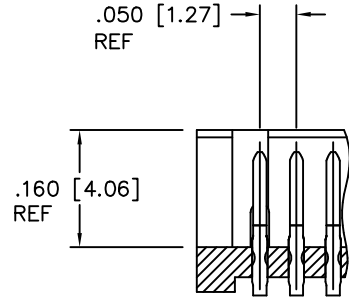
\downarrow .058 [1.47]

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302		ISO 406		INCH/MM		RIBCAGE	
itr		ecn		no		dr		date	
AH									
tolerances unless otherwise specified				linear		.xxx \pm .01/0.3		title	
angles				$\pm 2^\circ$.xxx \pm .005/0.13		RIBCAGE III SMT	
						.xxxx \pm .0020/0.051		VERT. HEADER ASS'Y	
dr		ARTHUR.ZHAO		12/17/19		scale 3:1		dwg no	
enrg		ARTHUR.ZHAO		12/17/19		FCI		sheet 3 of 8	
chr		LQ.LEI		12/17/19				95781	
appd		TIM.YAO		12/17/19				A3	
sheet index		revision sheet						type Product Customer Drawing	

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 X-X
ROTATED 90° CW

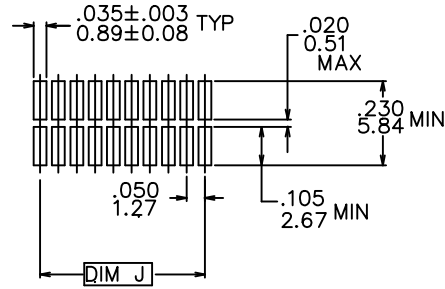


SECTION Y-Y

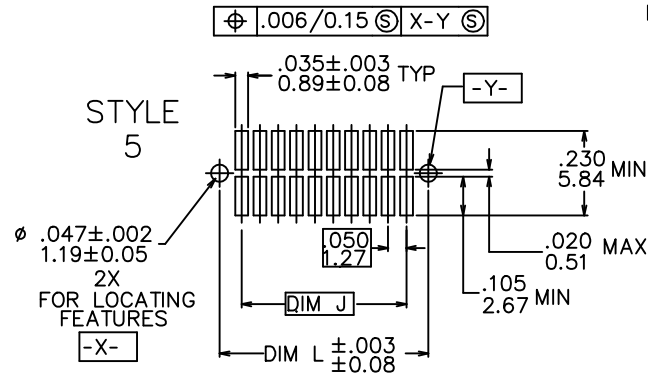
mat'l. code		surface		tolerance		projection		product family		
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE		
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM		title		
AH				angles	linear	.XX±.01/0.3 .XXX±.005/0.13 .XXXX±.0020/0.051		RIBCAGE III SMT VERT. HEADER ASS'Y		
				±2'		scale 3:1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

RECOMMENDED PCB MOUNTING PAD PATTERN

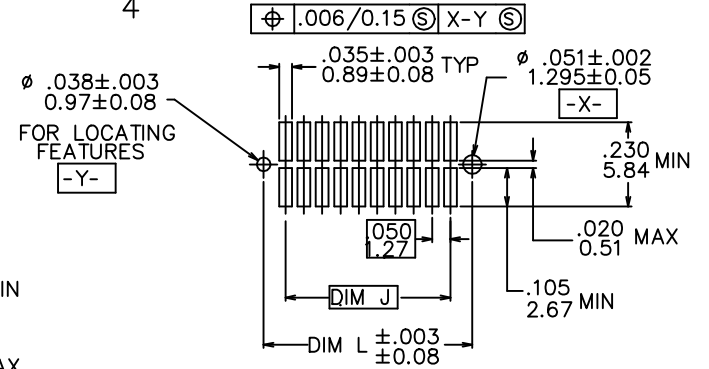
STYLE 1



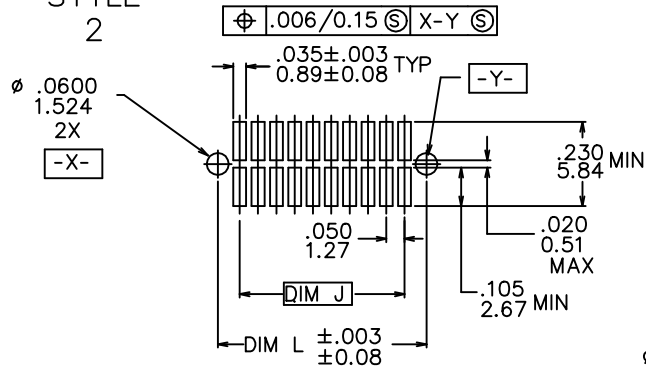
STYLE 5



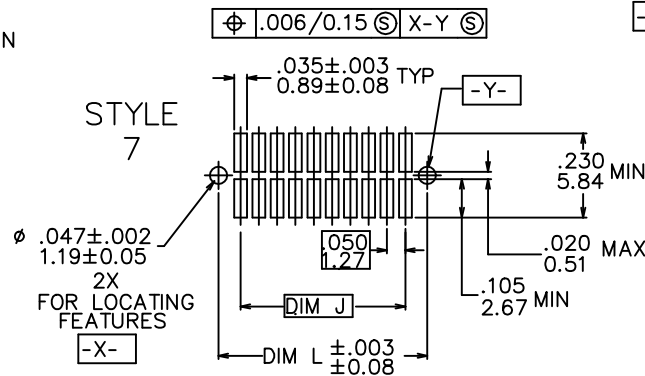
STYLE 4



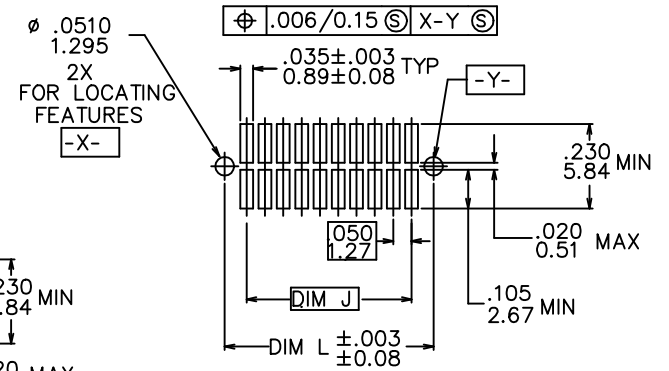
STYLE 2



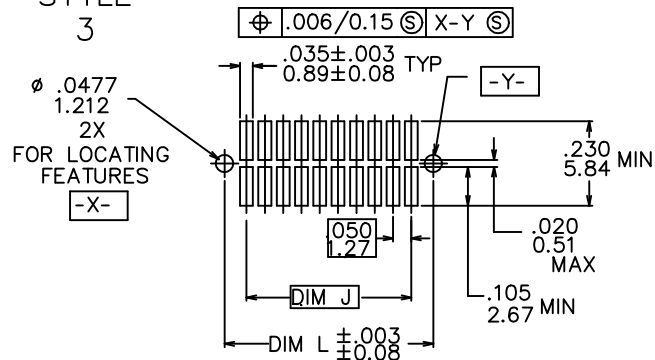
STYLE 7



STYLE 6



STYLE 3



mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				RIBCAGE	
ltr		ecn no		dr		date		title	
AH								RIBCAGE III SMT VERT. HEADER ASS'Y	
		angles		linear		.xx±.01/0.3 .xxx±.005/0.13 .xxx±.0020/0.051		INCH/MM	
		±2'						scale 3:1	
		dr		ARTHUR.ZHAO		12/17/19		dwg no	
		enrg		ARTHUR.ZHAO		12/17/19		sheet 4 of 8 size	
		chr		LQ.LEO		12/17/19		95781 A3	
		appd		TIM.YAO		12/17/19		type Product Customer Drawing	
sheet index		revision sheet							



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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

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OBSOLETE

SEE NOTE 10

* OBSOLETE

OBSOLETE

OBSOLETE

OBSOLETE

A

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B

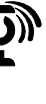
C

C

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D

D



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D

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		INCH/MM		title	
AH				angles	linear	.XX±.01/0.3		RIBCAGE III SMT	
						.XXX±.005/0.13		VERT. HEADER ASS'Y	
				±2'		.XXXX±.0020/0.051		scale 3:1	
		dr	ARTHUR.ZHAO	12/17/19				dwg no	
		enfr	ARTHUR.ZHAO	12/17/19	sheet 5 of 8				
		chr	LQ.LEI	12/17/19	95781				
		appd	TIM.YAO	12/17/19	A3				
sheet index	revision sheet							type Product Customer Drawing	

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	
73547-115TR		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

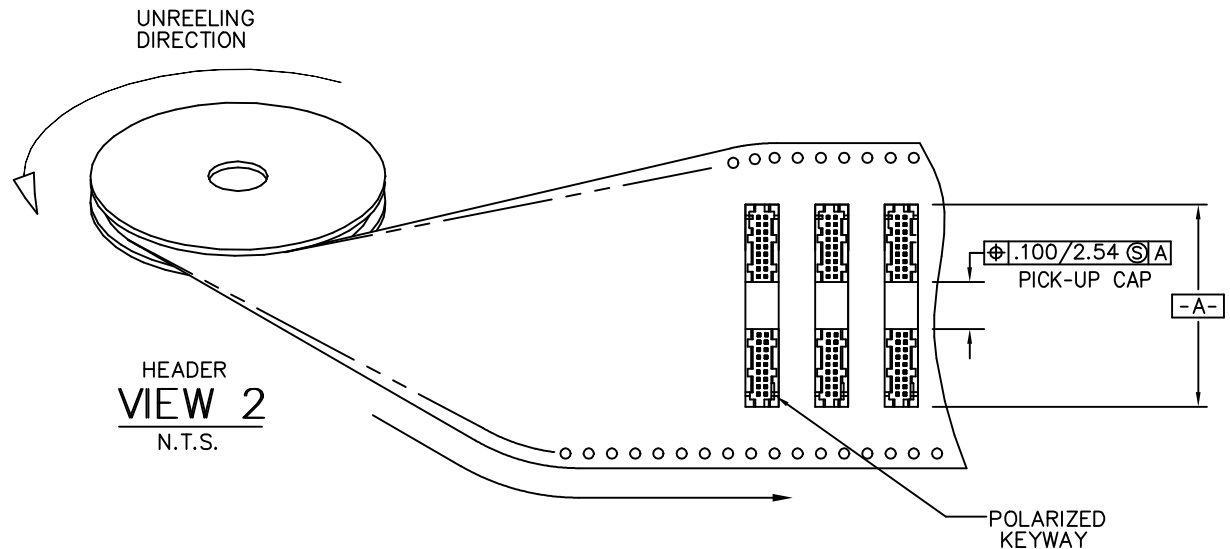
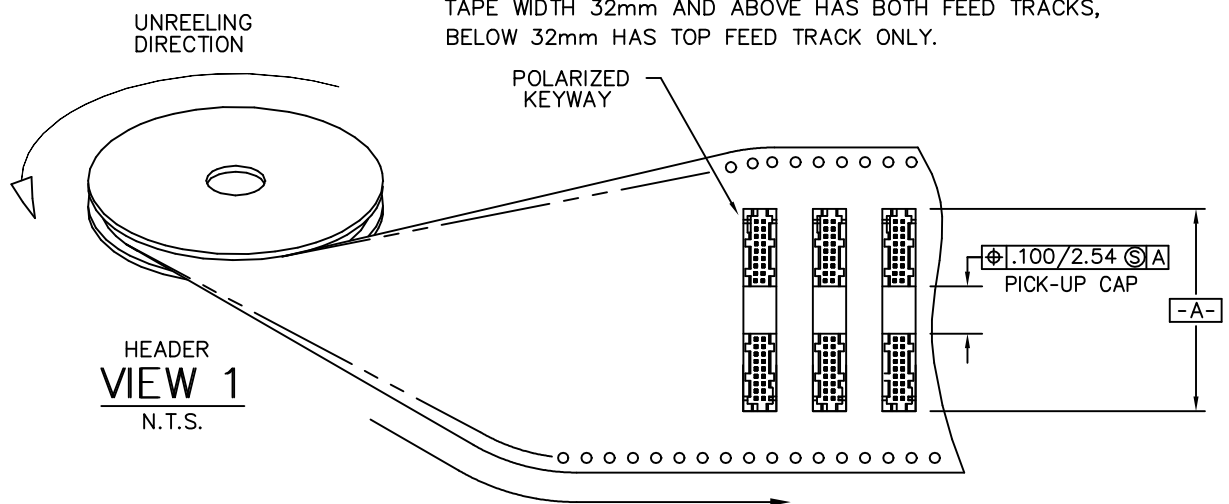
TABLE C

OBSOLETE

OBSOLETE
OBSOLETE

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		ISO 1101		RIBCAGE	
ltr		ecn no		dr		date		title	
AH								RIBCAGE III SMT VERT. HEADER ASS'Y	
								dwg no	
								95781	
								sheet 6 of 8	
								size	
								A3	
								type	
								Product Customer Drawing	
sheet index		revision sheet							



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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

A

B

C

D

A

B

C

D



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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		
AH				angles	linear	.XX±.01/0.3	INCH/MM		RIBCAGE III SMT
						.XXX±.005/0.13	scale 3:1		VERT. HEADER ASS'Y
				±2'		.XXX±.0020/0.051	FCI		sheet 7 of 8 size
		dr	ARTHUR.ZHAO	12/17/19					95781
		enr	ARTHUR.ZHAO	LQ.LEI					A3
		chr	LQ.LEI	12/17/19					type
		appd	TIM.YAO	12/17/19					Product Customer Drawing
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

NOTES:



- ① XXXXX-XXXLF
 LEAD FREE OPTION (NOTE 11& 13)
 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.

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	
AH				angles	linear	.XX±.01/0.3 .XXX±.005/0.13 .XXX±.0020/0.051		RIBCAGE III SMT VERT. HEADER ASS'Y	
				±2'		scale 3:1		dwg no sheet 8 of 8 size	
				dr	ARTHUR.ZHAO	12/17/19		95781 A3	
				engr	ARTHUR.ZHAO	12/17/19		type Product Customer Drawing	
				chr	LQ.LEI	12/17/19			
				appd	TIM.YAO	12/17/19			
sheet index	revision sheet								



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