

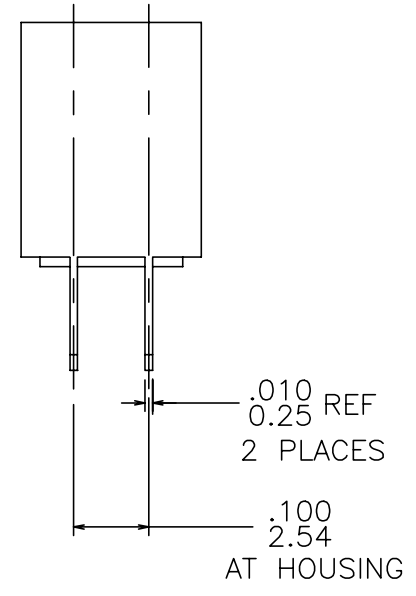
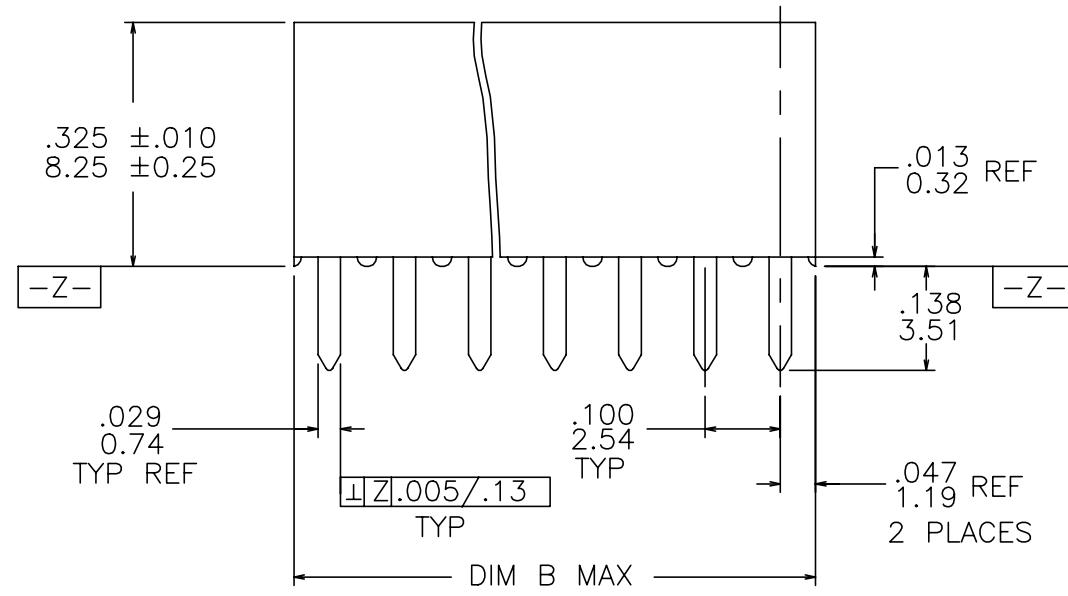
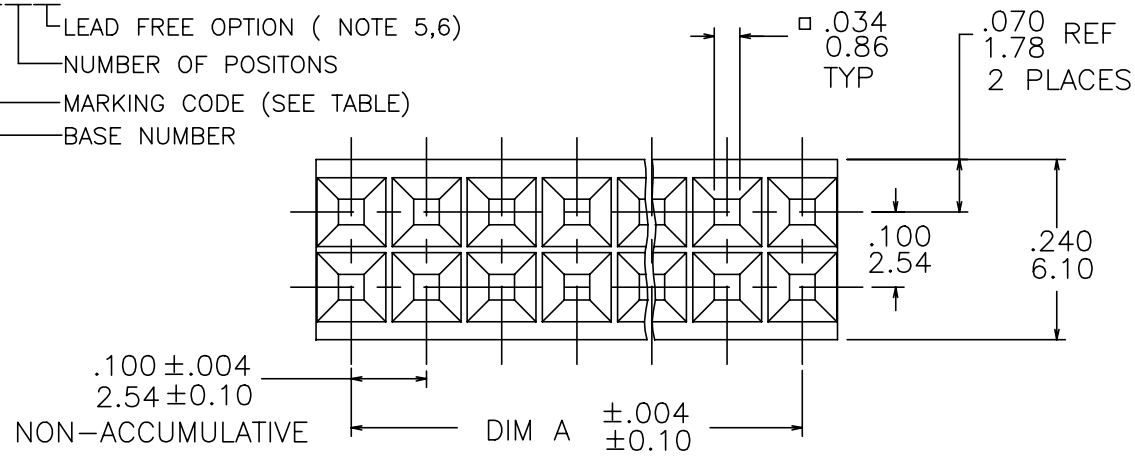


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66953-XXXLF

- LEAD FREE OPTION (NOTE 5,6)
- NUMBER OF POSITIONS
- MARKING CODE (SEE TABLE)
- BASE NUMBER



mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 1302	ISO 406	ISO 1101	VCC
l	tr	ec	n	d	r
R	ELX-N-1478	ZK	5/17/13	angles	linea
K	V70788	LSS	6/12/97	0°±2'	scale 1:1
L	V80354	EPK	3/6/98	dr	M. FETROW
M	V94468	MDF	1/11/00	engr	M. HAHN
N	M05-0124	MHT	6/06/05	chr	M. HAHN
P	M07-0143	ERE	03/03/07	appd	M. HAHN
sheet	revision	R	R	R	
index	sheet	1	2	3	

title		product family
VERT. CARD CONNECTOR		VCC
D/R .100/2.54 CC		
dwg no	sheet of 3	size
66953		A3
type Product Customer Drawing		

PRODUCT NO.	MARKING CODE	PLATING CODE
66953-0XX	STANDARD MARKING PER NOTE 3	BODY PLATING: 30u"/0.76um Au OVER 50u"/1.27um Ni ON CONTACT AREA. 100u"/2.54um Sn (NOTE 8) OVER 50u"/1.27um Ni ON SOLDER TAIL. SPRING PLATING: GOLD FLASH.
66953-8XX	SPECIAL MIL MARKING PER NOTE 5	
66953-1XX	STANDARD MARKING PER NOTE 3	BODY PLATING: 30u"/0.76um Au OVER 50u"/1.27um Ni ON CONTACT AREA. GOLD FLASH OVER 50u"/1.27um Ni ON SOLDER TAIL. SPRING PLATING: GOLD FLASH.

OBS

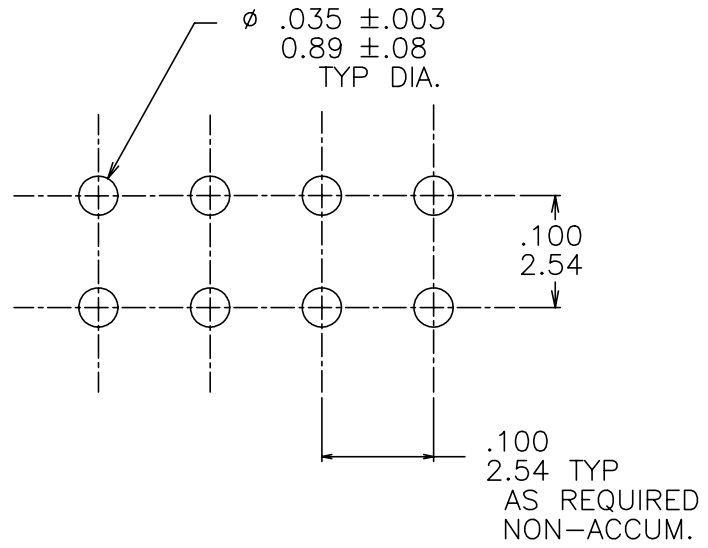


FIG. 1
SCALE 6:1

NOTES.

- HOUSING MATERIAL: FILLED POLYESTER,
FLAME RETARDANT PER UL 94V-0.
COLOR: BLACK.
- TERMINAL MATERIAL:
BODY: COPPER ALLOY
SPRING: COPPER ALLOY
- MARK FCI PART NUMBER AND DATE CODE LEGIBLE ON TUBE LABEL.
- APPLICATION INFORMATION.
A. RECOMMENDED MOUNTING HOLE PATTERN IS SHOWN IN FIG. 1
B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN
TERMINAL SPACINGS, WITHIN .015/.38 DIAMETER.
C. SUGGESTED MATING PIN LENGTH, .210 ±.020/5.33 ±.51.
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THIS 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.
- "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT
ENVIRONMENTS."

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family VCC	
ltr ecn nchr date		tolerances unless otherwise specified		title		VERT. CARD CONNECTOR D/R .100/2.54 CC			
P		angles	linea	.XX±.01/.X±.3 .XXX±.0.005/.XXX±.13 .XXX±.0020/.XXX±.051		scale 1:1		dwg no 66953	
		dr	M. FETROW	6/26/89		FCI		shee 2 of 3	
		engr	M. HAHN	6/26/89				size A3	
		chr	M. HAHN	6/26/89					
		appd	M. HAHN	6/26/89				type Product Customer Drawing	
sheet index	revision sheet								



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PRODUCT NO.	NO OF POSITIONS	DIM A	DIM B	DESC PART NUMBER ON -8XX SERIES ONLY
66953-Y01	U N A S S I G N E D			
-Y02	2 X 2	.100/2.54	.200/5.08	----- WWWWWW -02 -----
-Y03	2 X 3	.200/5.08	.300/7.62	----- WWWWWW -03 -----
-Y04	2 X 4	.300/7.62	.400/10.16	----- WWWWWW -04 -----
-Y05	2 X 5	.400/10.16	.500/12.70	----- WWWWWW -05 -----
-Y06	2 X 6	.500/12.70	.600/15.24	----- WWWWWW -06 -----
-Y07	2 X 7	.600/15.24	.700/17.78	----- WWWWWW -07 -----
-Y08	2 X 8	.700/17.78	.800/20.32	----- WWWWWW -08 -----
-Y09	2 X 9	.800/20.32	.900/22.86	----- WWWWWW -09 -----
-Y10	2 X 10	.900/22.86	1.000/25.40	----- WWWWWW -10 -----
-Y11	2 X 11	1.000/25.40	1.100/27.94	----- WWWWWW -11 -----
-Y12	2 X 12	1.100/27.94	1.200/30.48	----- WWWWWW -12 -----
-Y13	2 X 13	1.200/30.48	1.300/33.02	----- WWWWWW -13 -----
-Y14	2 X 14	1.300/33.02	1.400/35.56	----- WWWWWW -14 -----
-Y15	2 X 15	1.400/35.56	1.500/38.10	----- WWWWWW -15 -----
-Y16	2 X 16	1.500/38.10	1.600/40.64	----- WWWWWW -16 -----
-Y17	2 X 17	1.600/40.64	1.700/43.18	----- WWWWWW -17 -----
-Y18	2 X 18	1.700/43.18	1.800/45.72	----- WWWWWW -18 -----
-Y19	2 X 19	1.800/45.72	1.900/48.26	----- WWWWWW -19 -----
-Y20	2 X 20	1.900/48.26	2.000/50.80	----- WWWWWW -20 -----
-Y21	2 X 21	2.000/50.80	2.100/53.34	----- WWWWWW -21 -----
-Y22	2 X 22	2.100/53.34	2.200/55.88	----- WWWWWW -22 -----
-Y23	2 X 23	2.200/55.88	2.300/58.42	----- WWWWWW -23 -----
-Y24	2 X 24	2.300/58.42	2.400/60.96	----- WWWWWW -24 -----
-Y25	2 X 25	2.400/60.96	2.500/63.50	----- WWWWWW -25 -----
-Y26	2 X 26	2.500/63.50	2.600/66.04	----- WWWWWW -26 -----
-Y27	2 X 27	2.600/66.04	2.700/68.58	----- WWWWWW -27 -----
-Y28	2 X 28	2.700/68.58	2.800/71.12	----- WWWWWW -28 -----
-Y29	2 X 29	2.800/71.12	2.900/73.66	----- WWWWWW -29 -----
-Y30	2 X 30	2.900/73.66	3.000/76.20	----- WWWWWW -30 -----
-Y31	2 X 31	3.000/76.20	3.100/78.74	----- WWWWWW -31 -----
-Y32	2 X 32	3.100/78.74	3.200/81.28	----- WWWWWW -32 -----
-Y33	2 X 33	3.200/81.28	3.300/83.82	----- WWWWWW -33 -----
-Y34	2 X 34	3.300/83.82	3.400/86.36	----- WWWWWW -34 -----
-Y35	2 X 35	3.400/86.36	3.500/88.90	----- WWWWWW -35 -----
66953-Y36	2 X 36	3.500/88.90	3.600/91.44	----- WWWWWW -36 -----

LF PRODUCT NO.	NO OF POSITIONS	DIM A	DIM B	DESC PART NUMBER ON -8XX SERIES ONLY
66953-Y01LF	U N A S S I G N E D			
-Y03LF	2 X 3	.200/5.08	.300/7.62	----- WWWWWW -03 -----
-Y04LF	2 X 4	.300/7.62	.400/10.16	----- WWWWWW -04 -----
-Y05LF	2 X 5	.400/10.16	.500/12.70	----- WWWWWW -05 -----
-Y06LF	2 X 6	.500/12.70	.600/15.24	----- WWWWWW -06 -----
-Y07LF	2 X 7	.600/15.24	.700/17.78	----- WWWWWW -07 -----
-Y08LF	2 X 8	.700/17.78	.800/20.32	----- WWWWWW -08 -----
-Y09LF	2 X 9	.800/20.32	.900/22.86	----- WWWWWW -09 -----
-Y10LF	2 X 10	.900/22.86	1.000/25.40	----- WWWWWW -10 -----
-Y11LF	2 X 11	1.000/25.40	1.100/27.94	----- WWWWWW -11 -----
-Y12LF	2 X 12	1.100/27.94	1.200/30.48	----- WWWWWW -12 -----
-Y13LF	2 X 13	1.200/30.48	1.300/33.02	----- WWWWWW -13 -----
-Y14LF	2 X 14	1.300/33.02	1.400/35.56	----- WWWWWW -14 -----
-Y15LF	2 X 15	1.400/35.56	1.500/38.10	----- WWWWWW -15 -----
-Y16LF	2 X 16	1.500/38.10	1.600/40.64	----- WWWWWW -16 -----
-Y17LF	2 X 17	1.600/40.64	1.700/43.18	----- WWWWWW -17 -----
-Y18LF	2 X 18	1.700/43.18	1.800/45.72	----- WWWWWW -18 -----
-Y19LF	2 X 19	1.800/45.72	1.900/48.26	----- WWWWWW -19 -----
-Y20LF	2 X 20	1.900/48.26	2.000/50.80	----- WWWWWW -20 -----
-Y21LF	2 X 21	2.000/50.80	2.100/53.34	----- WWWWWW -21 -----
-Y22LF	2 X 22	2.100/53.34	2.200/55.88	----- WWWWWW -22 -----
-Y23LF	2 X 23	2.200/55.88	2.300/58.42	----- WWWWWW -23 -----
-Y24LF	2 X 24	2.300/58.42	2.400/60.96	----- WWWWWW -24 -----
-Y25LF	2 X 25	2.400/60.96	2.500/63.50	----- WWWWWW -25 -----
-Y26LF	2 X 26	2.500/63.50	2.600/66.04	----- WWWWWW -26 -----
-Y27LF	2 X 27	2.600/66.04	2.700/68.58	----- WWWWWW -27 -----
-Y28LF	2 X 28	2.700/68.58	2.800/71.12	----- WWWWWW -28 -----
-Y29LF	2 X 29	2.800/71.12	2.900/73.66	----- WWWWWW -29 -----
-Y30LF	2 X 30	2.900/73.66	3.000/76.20	----- WWWWWW -30 -----
-Y31LF	2 X 31	3.000/76.20	3.100/78.74	----- WWWWWW -31 -----
-Y32LF	2 X 32	3.100/78.74	3.200/81.28	----- WWWWWW -32 -----
-Y33LF	2 X 33	3.200/81.28	3.300/83.82	----- WWWWWW -33 -----
-Y34LF	2 X 34	3.300/83.82	3.400/86.36	----- WWWWWW -34 -----
-Y35LF	2 X 35	3.400/86.36	3.500/88.90	----- WWWWWW -35 -----
66953-Y36LF	2 X 36	3.500/88.90	3.600/91.44	----- WWWWWW -36 -----

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family VCC	
ltr ecn nldr date		tolerances unless otherwise specified						title	
R				angles	linea	.XX±.01/.X±.3 .XXX±0.005/.XXX±.13 .XXX±0.020/.XXX±.051		INCH/MM	
				0'±2'				scale 1:1	
				dr	M. FETROW	6/26/89			
				engr	M. HAHN	6/26/89			
				chr	M. HAHN	6/26/89			
				appd	M. HAHN	6/26/89	dwg no		
sheet index		revision sheet						shee 5 of 3 size A3	
								type Product Customer Drawing	

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[66953-022LF](#)