

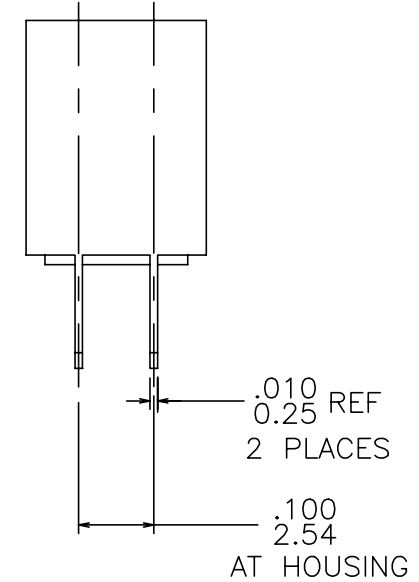
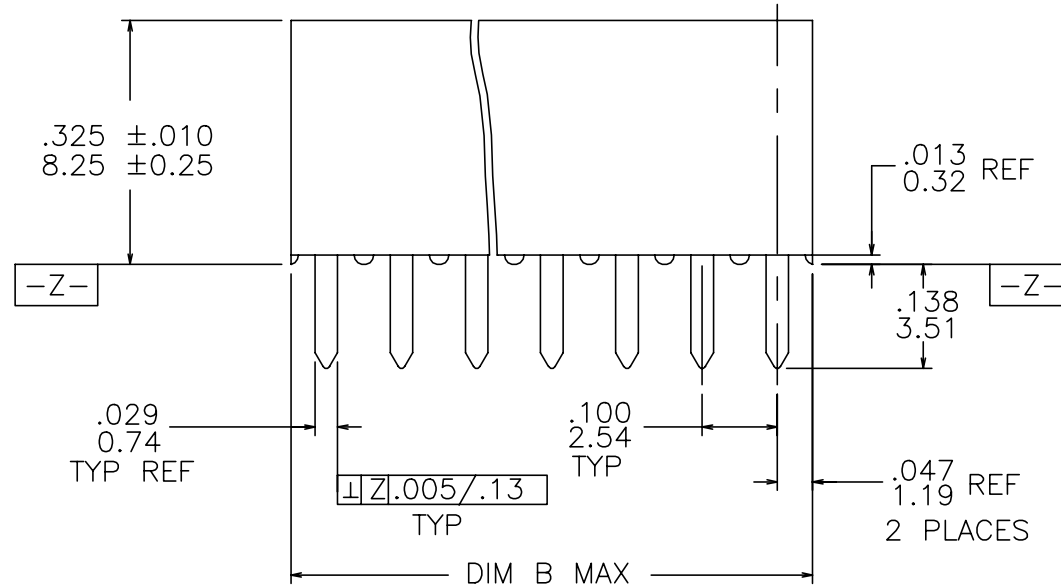
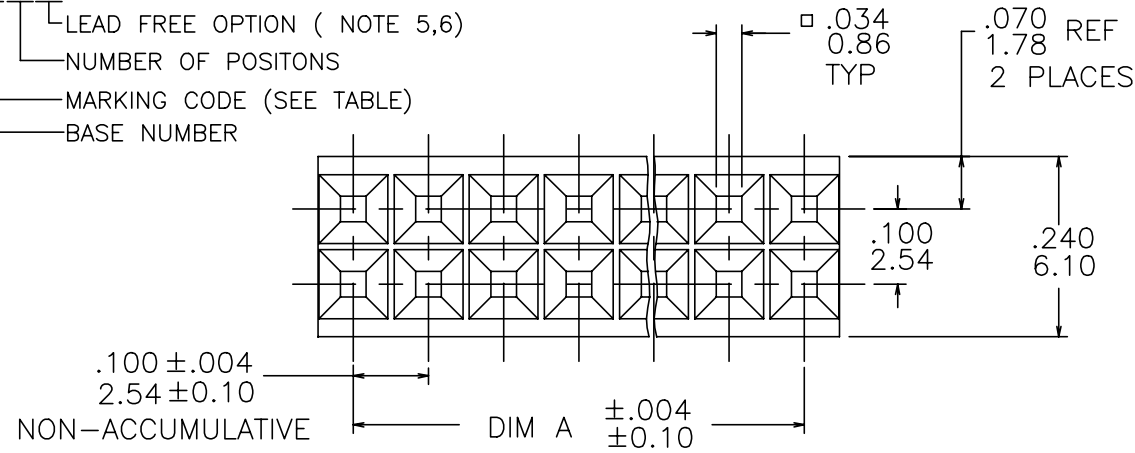


FCIconnect.com

Copyright FCI

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 1101	ISO 1101	VCC
l	tr	ec	n	d	r
R	ELX-N-1478	ZK	5/17/13	angles	line
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

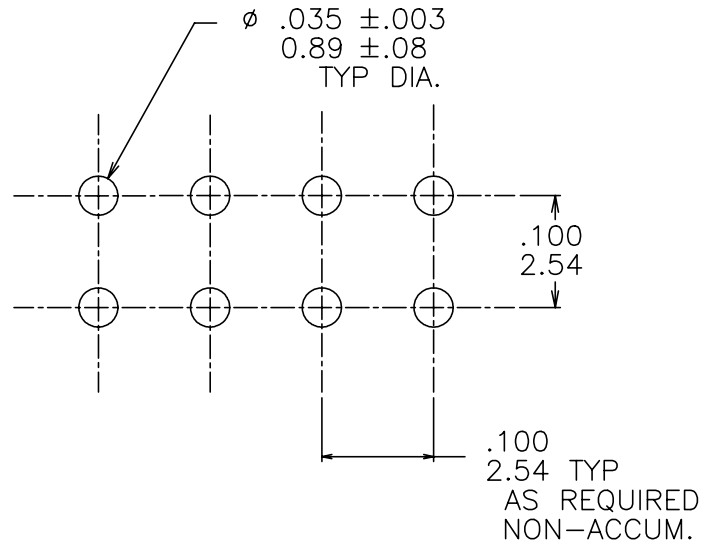


FIG. 1
SCALE 6:1

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							



FCIconnect.com

Copyright FCI

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	WWWWW-02
	-Y03	2 X 3	.200/5.08	.300/7.62	WWWWW-03
	-Y04	2 X 4	.300/7.62	.400/10.16	WWWWW-04
	-Y05	2 X 5	.400/10.16	.500/12.70	WWWWW-05
	-Y06	2 X 6	.500/12.70	.600/15.24	WWWWW-06
	-Y07	2 X 7	.600/15.24	.700/17.78	WWWWW-07
	-Y08	2 X 8	.700/17.78	.800/20.32	WWWWW-08
	-Y09	2 X 9	.800/20.32	.900/22.86	WWWWW-09
	-Y10	2 X 10	.900/22.86	1.000/25.40	WWWWW-10
	-Y11	2 X 11	1.000/25.40	1.100/27.94	WWWWW-11
	-Y12	2 X 12	1.100/27.94	1.200/30.48	WWWWW-12
	-Y13	2 X 13	1.200/30.48	1.300/33.02	WWWWW-13
	-Y14	2 X 14	1.300/33.02	1.400/35.56	WWWWW-14
	-Y15	2 X 15	1.400/35.56	1.500/38.10	WWWWW-15
	-Y16	2 X 16	1.500/38.10	1.600/40.64	WWWWW-16
	-Y17	2 X 17	1.600/40.64	1.700/43.18	WWWWW-17
	-Y18	2 X 18	1.700/43.18	1.800/45.72	WWWWW-18
	-Y19	2 X 19	1.800/45.72	1.900/48.26	WWWWW-19
	-Y20	2 X 20	1.900/48.26	2.000/50.80	WWWWW-20
	-Y21	2 X 21	2.000/50.80	2.100/53.34	WWWWW-21
	-Y22	2 X 22	2.100/53.34	2.200/55.88	WWWWW-22
	-Y23	2 X 23	2.200/55.88	2.300/58.42	WWWWW-23
	-Y24	2 X 24	2.300/58.42	2.400/60.96	WWWWW-24
	-Y25	2 X 25	2.400/60.96	2.500/63.50	WWWWW-25
	-Y26	2 X 26	2.500/63.50	2.600/66.04	WWWWW-26
	-Y27	2 X 27	2.600/66.04	2.700/68.58	WWWWW-27
	-Y28	2 X 28	2.700/68.58	2.800/71.12	WWWWW-28
	-Y29	2 X 29	2.800/71.12	2.900/73.66	WWWWW-29
	-Y30	2 X 30	2.900/73.66	3.000/76.20	WWWWW-30
	-Y31	2 X 31	3.000/76.20	3.100/78.74	WWWWW-31
	-Y32	2 X 32	3.100/78.74	3.200/81.28	WWWWW-32
	-Y33	2 X 33	3.200/81.28	3.300/83.82	WWWWW-33
	-Y34	2 X 34	3.300/83.82	3.400/86.36	WWWWW-34
↓	-Y35	2 X 35	3.400/86.36	3.500/88.90	WWWWW-35
	66953-Y36	2 X 36	3.500/88.90	3.600/91.44	WWWWW-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 nchr date		tolerances unless otherwise specified						title	
R				angles	linea	.XX±.01/.X±.3 .XXX±.0.005/.XXX±.13 .XXX±.0020/.XXX±.051		INCH/MM	
				0'±2'				scale 1:1	
				dr	M. FETROW	6/26/89			FCI
				engr	M. HAHN	6/26/89			
				chr	M. HAHN	6/26/89			
				appd	M. HAHN	6/26/89			
sheet index		revision sheet						dwg no	
								shee 5 of 3	
								size A3	
								type Product Customer Drawing	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI:

[66953-014LF](#)