



FCIconnect.com

Copyright FCI

66953-XXXLF

LEAD FREE OPTION (NOTE 5,6)

NUMBER OF POSITIONS

MARKING CODE (SEE TABLE)

BASE NUMBER

 $\square$.034
0.86
TYP.070 REF
1.78
2 PLACES $.100 \pm .004$
 2.54 ± 0.10
NON-ACCUMULATIVE

DIM A

 $\pm .004$
 ± 0.10 $.325 \pm .010$
 8.25 ± 0.25

-Z-

.013 REF
0.32 $.138$
3.51 $.029$
0.74
TYP REF $.100$
2.54
TYP $\perp Z .005 / .13$
TYP.047 REF
1.19
2 PLACES

DIM B MAX

.010 REF
0.25
2 PLACES

.100
2.54
AT HOUSING

mat'l. code				surface ISO 1302 ☒	tolerance ISO 406 ISO 1101	projection 	product family VCC
ltr	ecn no	dr	date	tolerances unless otherwise specified		 INCH/MM scale 1:1 	title
H	V50931	SAR	8/8/95	angles	linear		VERT. CARD CONNECTOR
J	V50963	LSS	8/16/95				D/R .100/2.54 CC
K	V70788	LSS	6/12/97	0°±2'			
L	V80354	EPK	3/6/98	dr	M. FETROW	6/26/89	dwg no
M	V94468	MDF	1/11/00	enr	M. HAHN	6/26/89	sheet 1 of 3
N	M05-0124	MHT	6/06/05	chr	M. HAHN	6/26/89	size
P	M07-0143	ERE	03/03/07	appd	M. HAHN	6/26/89	A3
sheet	revision	P	P	P			type
index	sheet	1	2	3			Product Customer Drawing

form: A3

PRODUCT NO.	MARKING CODE	
SEE TABLE	66953-0XX	STANDARD MARKING PER NOTE 3
	66953-8XX	SPECIAL MIL MARKING PER NOTE 5

OBS

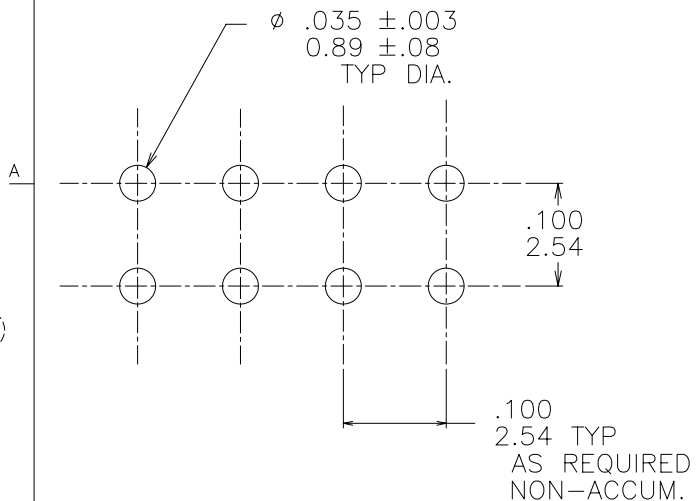


FIG. 1
SCALE 6:1

NOTES.

- HOUSING MATERIAL: FILLED POLYESTER,
FLAME RETARDANT PER UL 94V-0.
COLOR: BLACK.
- TERMINAL MATERIAL:
BODY: BRASS
SPRING: BeCu. HEAT TREATED
BODY PLATING: 30u"/.76 Au OVER 50u"/1.27u Ni IN CONTACT AREA.
100u"/2.54 Sn (NOTE 8) OVER 50u"/1/27u Ni ON SOLDER TAIL.
SPRING PLATING: GOLD FLASH
- 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 ISO 1101	product family VCC
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title VERT. CARD CONNECTOR D/R .100/2.54 CC
P				angles	linear		
				0°±2'	.XX±.01/.X±.3 .XXX±.0.005/.XX±.13 .XXXX±.0020/.XXX±.051	scale 1:1	dwg no 66953
				dr	M. FETROW	6/26/89	sheet 2 of 3 size A3
				enr	M. HAHN	6/26/89	type Product Customer Drawing
				chr	M. HAHN	6/26/89	
				appd	M. HAHN	6/26/89	
sheet index	revision sheet						



FCIconnect.com

Copyright FCI

form: A3

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

OBS

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	WWWWW-03
-Y04LF	2 X 4	.300/7.62	.400/10.16	WWWWW-04
-Y05LF	2 X 5	.400/10.16	.500/12.70	WWWWW-05
-Y06LF	2 X 6	.500/12.70	.600/15.24	WWWWW-06
-Y07LF	2 X 7	.600/15.24	.700/17.78	WWWWW-07
-Y08LF	2 X 8	.700/17.78	.800/20.32	WWWWW-08
-Y09LF	2 X 9	.800/20.32	.900/22.86	WWWWW-09
-Y10LF	2 X 10	.900/22.86	1.000/25.40	WWWWW-10
-Y11LF	2 X 11	1.000/25.40	1.100/27.94	WWWWW-11
-Y12LF	2 X 12	1.100/27.94	1.200/30.48	WWWWW-12
-Y13LF	2 X 13	1.200/30.48	1.300/33.02	WWWWW-13
-Y14LF	2 X 14	1.300/33.02	1.400/35.56	WWWWW-14
-Y15LF	2 X 15	1.400/35.56	1.500/38.10	WWWWW-15
-Y16LF	2 X 16	1.500/38.10	1.600/40.64	WWWWW-16
-Y17LF	2 X 17	1.600/40.64	1.700/43.18	WWWWW-17
-Y18LF	2 X 18	1.700/43.18	1.800/45.72	WWWWW-18
-Y19LF	2 X 19	1.800/45.72	1.900/48.26	WWWWW-19
-Y20LF	2 X 20	1.900/48.26	2.000/50.80	WWWWW-20
-Y21LF	2 X 21	2.000/50.80	2.100/53.34	WWWWW-21
-Y22LF	2 X 22	2.100/53.34	2.200/55.88	WWWWW-22
-Y23LF	2 X 23	2.200/55.88	2.300/58.42	WWWWW-23
-Y24LF	2 X 24	2.300/58.42	2.400/60.96	WWWWW-24
-Y25LF	2 X 25	2.400/60.96	2.500/63.50	WWWWW-25
-Y26LF	2 X 26	2.500/63.50	2.600/66.04	WWWWW-26
-Y27LF	2 X 27	2.600/66.04	2.700/68.58	WWWWW-27
-Y28LF	2 X 28	2.700/68.58	2.800/71.12	WWWWW-28
-Y29LF	2 X 29	2.800/71.12	2.900/73.66	WWWWW-29
-Y30LF	2 X 30	2.900/73.66	3.000/76.20	WWWWW-30
-Y31LF	2 X 31	3.000/76.20	3.100/78.74	WWWWW-31
-Y32LF	2 X 32	3.100/78.74	3.200/81.28	WWWWW-32
-Y33LF	2 X 33	3.200/81.28	3.300/83.82	WWWWW-33
-Y34LF	2 X 34	3.300/83.82	3.400/86.36	WWWWW-34
-Y35LF	2 X 35	3.400/86.36	3.500/88.90	WWWWW-35
66953-Y36LF	2 X 36	3.500/88.90	3.600/91.44	WWWWW-36

mat'l. code		surface ISO 1302 ☒ ISO 406 ISO 1101		tolerance ISO 1101		projection 		product family VCC	
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title		
P					angles	linear	VERT. CARD CONNECTOR		
					0°±2'		D/R .100/2.54 CC		
							dwg no		sheet 3 of 3
					dr	M. FETROW	6/26/89	66953	
					enr	M. HAHN	6/26/89	A3	
					chr	M. HAHN	6/26/89	type	
					appd	M. HAHN	6/26/89	Product Customer Drawing	
sheet index	revision	sheet							