

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.

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NOTES.

1. HOUSING MATERIAL: FILLED POLYESTER,
FLAME RETARDANT PER UL 94V-0.
COLOR: BLACK.
2. TERMINAL MATERIAL:
BODY: COPPER ALLOY
SPRING: COPPER ALLOY
3. MARK FCI PART NUMBER AND DATE CODE LEGIBLE ON TUBE LABEL.
4. 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, $.210 \pm .020/5.33 \pm .51$.
5. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
6. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
7. 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.
8. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

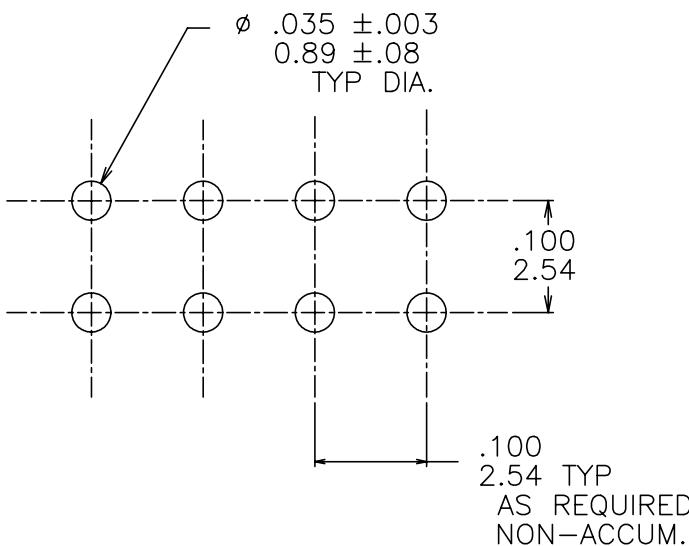


FIG. 1
SCALE 6:1

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STATUS: Released

Printed: May 24 2013

mat'l. code		surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family VCC
ltr	ecn	nodr	date	tolerances unless otherwise specified	
P				angles xx±.01/x±.3	INCH/MM
				linear xxx±.0005/xxx±.13	
				0°±2° xxxx±.0020/xxxx±.051	scale 1:1
				dr M. FETROW 6/26/89	dwg no
				engr M. HAHN 6/26/89	sheet 2 of 3
				chr M. HAHN 6/26/89	size
				appd M. HAHN 6/26/89	66953
sheet	revision				A3
index	sheet				

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/.254	.200/.50.08
	-Y03	2 X 3	.200/.5.08	.300/.7.62
	-Y04	2 X 4	.300/.7.62	.400/.10.16
	-Y05	2 X 5	.400/.10.16	.500/.12.70
	-Y06	2 X 6	.500/.12.70	.600/.15.24
	-Y07	2 X 7	.600/.15.24	.700/.17.78
	-Y08	2 X 8	.700/.17.78	.800/.20.32
	-Y09	2 X 9	.800/.20.32	.900/.22.86
	-Y10	2 X 10	.900/.22.86	1.000/.25.40
	-Y11	2 X 11	1.000/.25.40	1.100/.27.94
	-Y12	2 X 12	1.100/.27.94	1.200/.30.48
	-Y13	2 X 13	1.200/.30.48	1.300/.33.02
	-Y14	2 X 14	1.300/.33.02	1.400/.35.56
	-Y15	2 X 15	1.400/.35.56	1.500/.38.10
	-Y16	2 X 16	1.500/.38.10	1.600/.40.64
	-Y17	2 X 17	1.600/.40.64	1.700/.43.18
	-Y18	2 X 18	1.700/.43.18	1.800/.45.72
	-Y19	2 X 19	1.800/.45.72	1.900/.48.26
	-Y20	2 X 20	1.900/.48.26	2.000/.50.80
	-Y21	2 X 21	2.000/.50.80	2.100/.53.34
	-Y22	2 X 22	2.100/.53.34	2.200/.55.88
	-Y23	2 X 23	2.200/.55.88	2.300/.58.42
	-Y24	2 X 24	2.300/.58.42	2.400/.60.96
	-Y25	2 X 25	2.400/.60.96	2.500/.63.50
	-Y26	2 X 26	2.500/.63.50	2.600/.66.04
	-Y27	2 X 27	2.600/.66.04	2.700/.68.58
	-Y28	2 X 28	2.700/.68.58	2.800/.71.12
	-Y29	2 X 29	2.800/.71.12	2.900/.73.66
	-Y30	2 X 30	2.900/.73.66	3.000/.76.20
	-Y31	2 X 31	3.000/.76.20	3.100/.78.74
	-Y32	2 X 32	3.100/.78.74	3.200/.81.28
	-Y33	2 X 33	3.200/.81.28	3.300/.83.82
	-Y34	2 X 34	3.300/.83.82	3.400/.86.36
	-Y35	2 X 35	3.400/.86.36	3.500/.88.90
66953-Y36	2 X 36	3.500/.88.90	3.600/.91.44	WWWWWW-36

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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

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mat'l. code			surface	tolerance	projection	product family						
			ISO 1302	ISO 406 ISO 1101		VCC						
ltr	ecn	nodr	date	tolerances unless otherwise specified								
R				angles	xx±.01/x±.3	INCH/MM						
				linear	xxx±.0005/xxx±.13							
				0°±2°	xxxxx.0020/xxxx.051	scale 1:1						
				dr	M. FETROW	6/26/89	dwg no	sheet 3 of 3	size			
				engr	M. HAHN	6/26/89				66953		A3
				chr	M. HAHN	6/26/89						
				appd	M. HAHN	6/26/89						
sheet	revision						type	Product	Customer	Drawing		
index	sheet											

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