

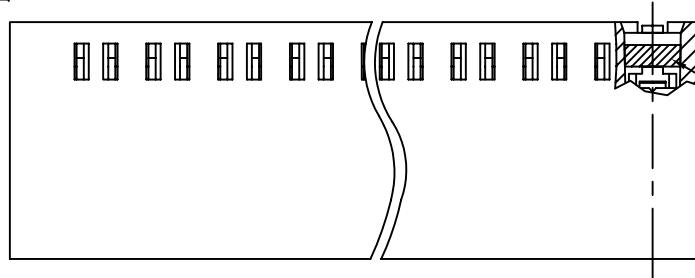


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PRODUCT NO

SEE TABLE

OPTIONAL
INSULATION
PLUG

LENGTH

 $B \pm .020$
0.51 $A \pm .010$
0.25 $.070$
1.78
REF.
TYP. $.100$ TYP.
2.54 $.046$
1.17
SQUARE
CONTACT
OPENING
TYP. $.100$
2.54 $.069$
1.75

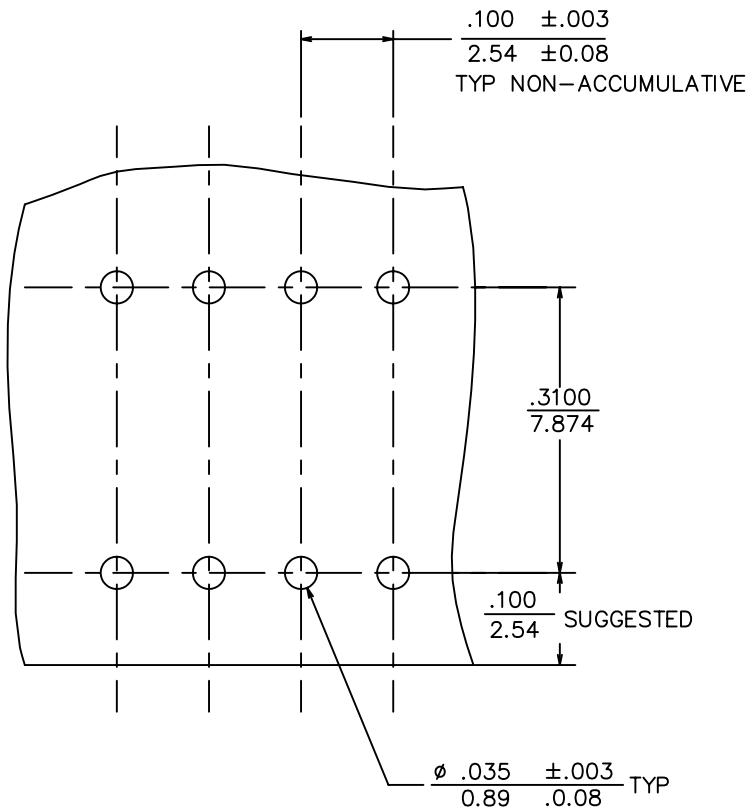
90° REF. TYP.

PRINTED
CIRCUIT
BOARD $.029$
0.74
REF.
TYP.WIDTH
 $.33$
8.4HEIGHT
 $.24$
6.1OPTIONAL
INSULATION
PLUG
SEE TABLE90°±5°
TYP $.115$ $\pm .010$
2.92 ± 0.25
LEG LENGTH $.310$ REF.
7.87
AT BOTTOM OF HOUSING

mat'l. code				surface	tolerance	projection	product family		
-				ISO 1302 ✓	ISO 406 ISO 1101		CARD CONN		
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title		
P	ELX-N-14417	DCS	2013-02-05	angles	linear				
					$.XX \pm .01 / .XX \pm 0.3$	scale 4:1	2 x .100/2.54 HORIZ. CARD CONNECTOR		
					$.XXX \pm .005 / .XXX \pm 0.13$				
					$.XXXX \pm .0020 / .XXXX \pm 0.05$				
J	M05-018	MHT	8/20/05	0°±2°					
K	M06-0117	AEA	6/26/06	dr	B. ASHREF	10/12/81			
L	M07-0137	MHT	2/26/07	enr	D. NEIDICH	10/12/81			
M	M08-0232	MHT	8/14/08	chr	D. NEIDICH	10/12/81			
N	M09-0093	MHT	6/22/09	appd	D. NEIDICH	10/12/81			
sheet	revision	P	P	P	P	P	type Product Customer Drawing		
index	sheet	1	2	3	5	5			
				4	5	6			

PRODUCT NO

SEE TABLE

FIGURE 1
SCALE 5/1

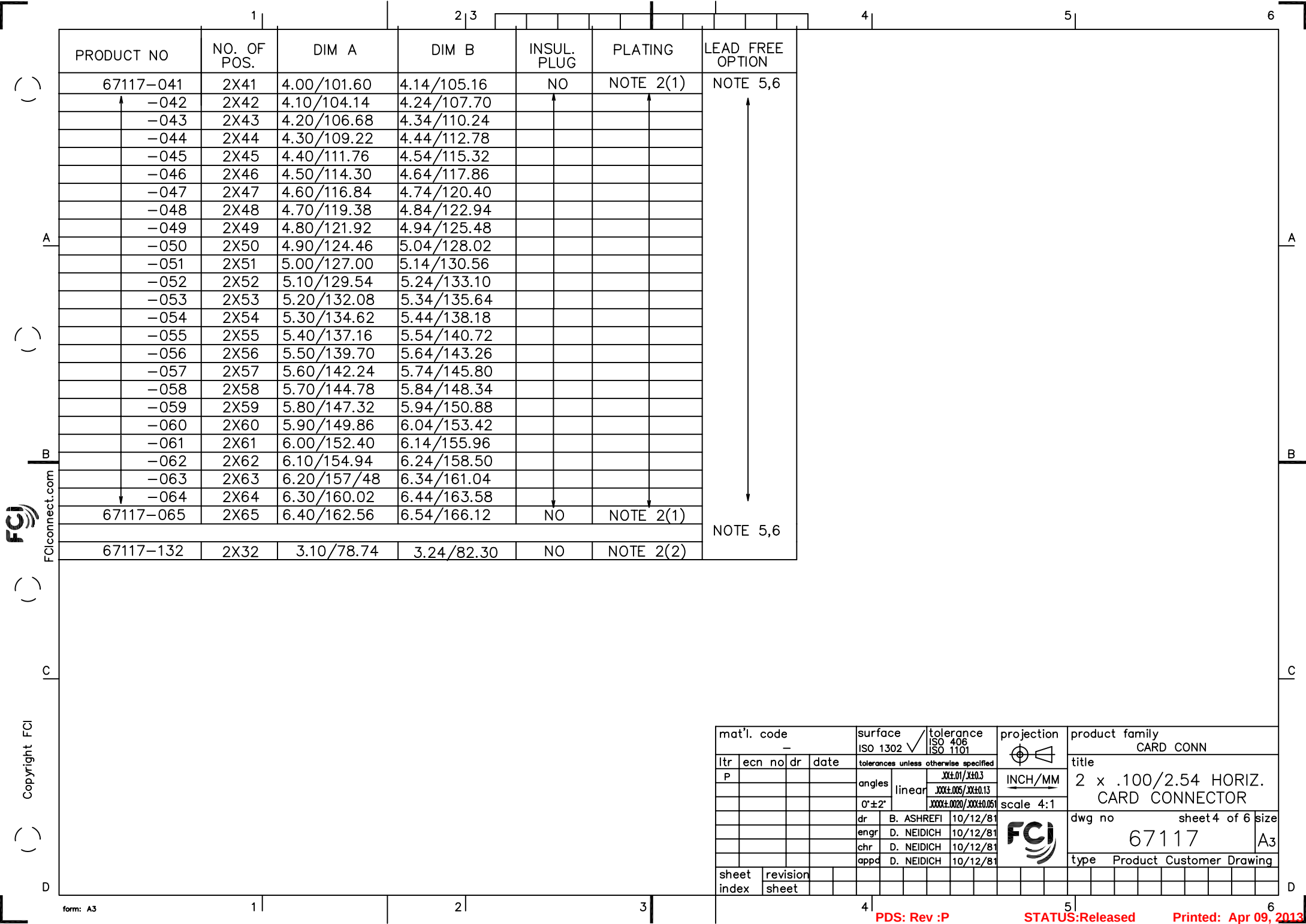
- ⑤ ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- ⑥ THESE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
7. THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- ⑧ THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WISKER GROWTH IN ALL INTERCONNECT REQUIREMENTS
9. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

NOTES.

1. HOUSING MATERIAL.
FILLED HIGH TEMPERATURE NYLON
COLOR: BLACK
2. TERMINAL MATERIAL.
BODY. BRASS .010/0.25 THICK.
SPRING. BE-CU. HEAT TREATED
- (1) BODY PLATING.
30 MICROINCH/0.76 MICRON GOLD OR GXT OVER
50 MICROINCH / 1.27 MICRON NICKEL ON CONTACT AREA
SOLDERTAIL PLATING: .100 MICROINCH/2.54 MICRON PURE TIN (NOTE 8)
OVER 50 MICROINCH/1.27 MICRON NICKEL.
SPRING PLATING. GOLD FLASH
- (2) BODY PLATING.
30 MICROINCH/0.76 MICRON GOLD OVER
50 MICROINCH/1.27 MICRON NICKEL ON CONTACT AREA
SOLDERTAIL PLATING: GOLD FLASH
SPRING PLATING: GOLD FLASH
3. APPLICATION INFORMATION.
A. RECOMMENDED MOUNTING HOLE PATTERN IS SHOWN IN FIG."1".
B. ALL MATING PINS TO BE .025/0.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACINGS WITHIN .015/0.38 DIA.
C. SUGGESTED MATING PIN LENGTH .350±.020 / 8.89±0.51
4. TERMINAL MATERIAL.
BODY. BRASS .010/0.25 THICK.
SPRING. BE-CU. HEAT TREATED
BODY PLATING.
30 MICROINCH / 0.76 MICRON GOLD OVER
50 MICROINCH/ 1.27 MICRON NICKEL
IN CONTACT AREA
SOLDERTAIL PLATING: 3 MICROINCH /0.076 MICRON GOLD OVER 50 MICROINCH/ 1.27 MICRON NICKEL.
SPRING PLATING. GOLD FLASH

mat'l. code —				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN					
ltr	ecr	no	dr	date		tolerances unless otherwise specified				title					
P						angles		linear	INCH/MM		2 x .100/2.54 HORIZ. CARD CONNECTOR				
						0°±2'									
									scale 4:1						
						dr		B. ASHREFI	10/12/81		dwg no		sheet 2 of 6		size
						enrg		D. NEIDICH	10/12/81		67117				A3
						chr		D. NEIDICH	10/12/81						
						appd		D. NEIDICH	10/12/81		type		Product Customer Drawing		
sheet index		revision sheet													

mat'l. code —					surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN														
ltr		ecn no		dr		date		tolerances unless otherwise specified						 INCH/MM scale 4:1		title 2 x .100/2.54 HORIZ. CARD CONNECTOR									
P								angles		linear		$\frac{.001 \pm .01}{.0004 \pm .005} / \frac{.001 \pm .01}{.0004 \pm .005}$													
								0°±2°				$\frac{.0000 \pm .0020}{.0000 \pm .0050}$													
								dr		B. ASHREFI		10/12/81				dwg no sheet 3 of 6 67117 A3									
								enrg		D. NEIDICH		10/12/81													
								chr		D. NEIDICH		10/12/81													
								appd		D. NEIDICH		10/12/81													
sheet index		revision														type Product Customer Drawing									



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mat'l. code				surface	tolerance	projection	product family			
-				ISO 1302	ISO 406		CARD CONN			
l	ec	n	dr	date	ISO 1101		title			
P					tolerances unless otherwise specified	INCH/MM	2 x .100/2.54 HORIZ. CARD CONNECTOR			
					angles					
					linear	scale 4:1	dwg no			
					0°±2°					
					dr		sheet 4 of 6 size			
					enr					
					chr					
					app					
					dr	10/12/81	67117			
					enr					
					chr					
					app					
sheet	revision						type Product Customer Drawing			
index	sheet									



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PRODUCT NO	NO. OF POS.	DIM A	DIM B	INSUL. PLUG	LEAD FREE OPTION
67117-501	2X1	.00/0	.14/3.56	YES	NOTE 5,6
-502	2X2	.10/2.54	.24/6.10		NOTE 4
-503	2X3	.20/5.08	.34/8.64		NOTE 4
-504	2X4	.30/7.62	.44/11.18		NOTE 4
-505	2X5	.40/10.16	.54/13.72		NOTE 2(1)
-506	2X6	.60/12.70	.64/16.26		
-507	2X7	.60/15.24	.74/18.80		
-508	2X8	.70/17.78	.84/21.34		
-509	2X9	.80/20.32	.94/23.88		
-510	2X10	.90/22.86	1.04/26.42		
-511	2X11	1.00/25.40	1.14/28.96		
-512	2X12	1.10/27.94	1.24/31.50		
-513	2X13	1.20/30.48	1.34/34.04		
-514	2X14	1.30/33.02	1.44/36.58		
-515	2X15	1.40/35.56	1.54/39.12		
-516	2X16	1.50/38.10	1.64/41.66		
-517	2X17	1.60/40.64	1.74/44.20		
-518	2X18	1.70/43.18	1.84/46.74		
-519	2X19	1.80/45.72	1.94/49.28		
-520	2X20	1.90/48.26	2.04/51.82		
-521	2X21	2.00/50.80	2.14/54.36		
-522	2X22	2.10/53.34	2.24/56.90		
-523	2X23	2.20/55.88	2.34/59.44		
-524	2X24	2.30/58.42	2.44/61.98		
-525	2X25	2.40/60.96	2.54/64.52		
-526	2X26	2.50/63.50	2.64/67.06		
-527	2X27	2.60/66.04	2.74/69.60		
-528	2X28	2.70/68.58	2.84/72.14		
-529	2X29	2.80/71.12	2.94/74.68		
-530	2X30	2.90/73.66	3.04/77.22		
-531	2X31	3.00/76.20	3.14/79.76		
-532	2X32	3.10/78.74	3.24/82.30		
-533	2X33	3.20/81.28	3.34/84.84		
-534	2X34	3.30/83.82	3.44/87.38		
-535	2X35	3.40/86.36	3.54/89.92		
-536	2X36	3.50/88.90	3.64/92.46		
-537	2X37	3.60/91.44	3.74/95.00		
-538	2X38	3.70/93.98	3.84/97.54		
-539	2X39	3.80/96.52	3.94/100.08		
67117-540	2X40	3.90/99.06	4.04/102.62	YES	NOTE 2(1)

mat'l. code		surface		tolerance	projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101			CARD CONN	
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title	
P					angles	linear	2 x .100/2.54 HORIZ. CARD CONNECTOR	
					0°±2°		scale 4:1	
					dr	B. ASHREFI	10/12/81	
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sheet index	revision						type Product Customer Drawing	
	sheet							

