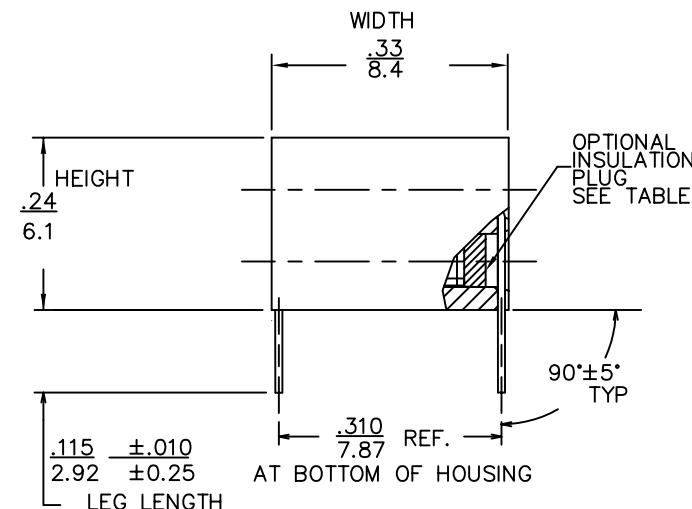
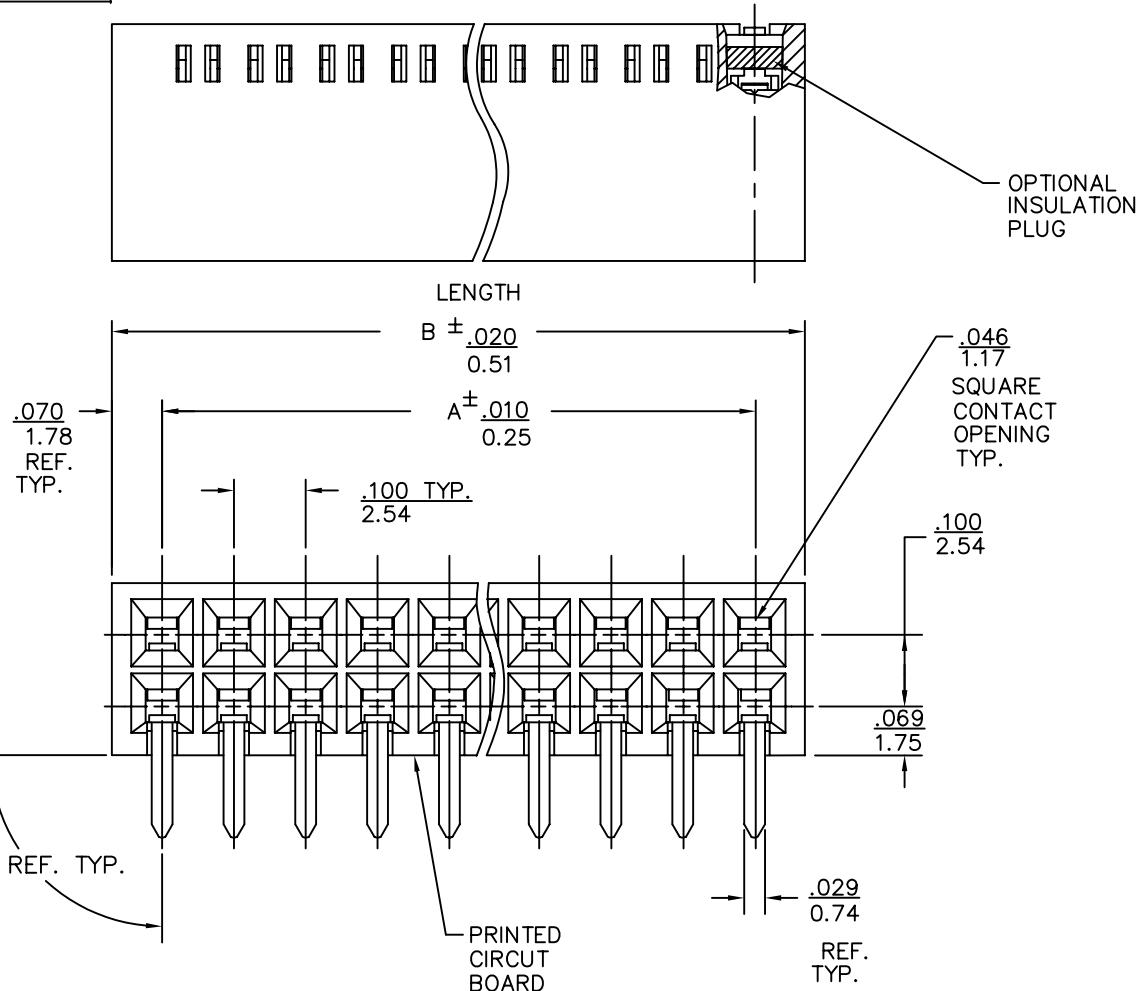


PRODUCT NO

SEE TABLE



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Copyright FCI

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	ELX-N-14417	DCS	2013-02-05	angles	X0±0.01/X0±0.03	INCH/MM	2 x .100/2.54 HORIZ. CARD CONNECTOR
J	M05-0181	MHT	8/20/05	linear	X0±0.05/X0±0.13		scale 4:1
K	M06-0117	AEA	6/26/06	dr	B. ASHREFI	10/12/81	
L	M07-0137	MHT	2/26/07	engr	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			dwg no
index		sheet	1 2	3 5 5 6			sheet 1 of 6 size
FCI							
67117 A3							
type Product Customer Drawing							

PRODUCT NO

SEE TABLE

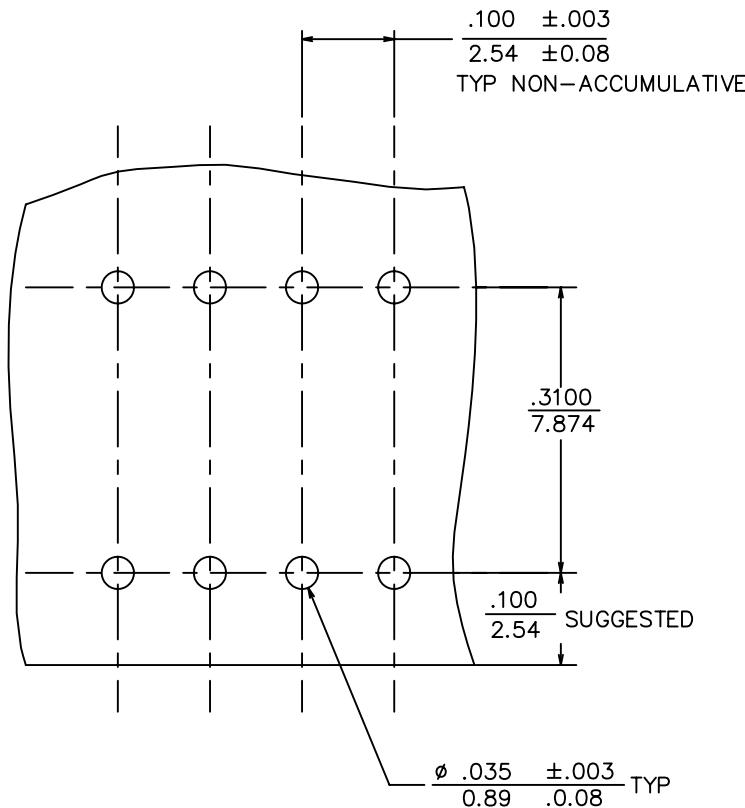


FIGURE 1
SCALE 5/1

- 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/.025 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 $.350 \pm .020$ / 8.89 ± 0.51
4. TERMINAL MATERIAL.
BODY. BRASS .010/.025 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	tolerance	projection	product family
-				ISO 1302 ✓	ISO 406 ISO 1101		CARD CONN
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
P				angles	XX±01/XX±03	INCH/MM	2 x .100/2.54 HORIZ. CARD CONNECTOR
				linear	XX±0.05/XX±0.13		
				0°±2°	XXXX±0.020/XXXX±0.05	scale 4:1	
				dr	B. ASHREFI 10/12/81		
				engr	D. NEIDICH 10/12/81		
				chr	D. NEIDICH 10/12/81		
				appd	D. NEIDICH 10/12/81		
sheet	revision						
index	sheet						

dwg no sheet 2 of 6 size
67117 A3
type Product Customer Drawing

FCI

PRODUCT NO	NO. OF POS.	DIM A	DIM B	INSUL. PLUG	PLATING	LEAD FREE OPTION	
67117-001	2X1	.00/0	.14/3.56	NO	NOTE 4	NOTE 5,6	OBsolete
↑ -002	2X2	.10/2.54	.24/6.10	NO	NOTE 4	↑	OBsolete
-003	2X3	.20/5.08	.34/8.64	↑	NOTE 4	↑	OBsolete
-004	2X4	.30/7.62	.44/11.18	↑	NOTE 4	↑	OBsolete
-005	2X5	.40/10.16	.54/13.72	↑	NOTE 2(1)	↑	OBsolete
-006	2X6	.50/12.70	.64/16.26	↑		↑	
-007	2X7	.60/15.24	.74/18.80	↑		↑	
-008	2X8	.70/17.78	.84/21.32	↑		↑	
-009	2X9	.80/20.32	.94/23.88	↑		↑	
-010	2X10	.90/22.86	1.04/26.42	↑		↑	
-011	2X11	1.00/25.40	1.14/28.96	↑		↑	
-012	2X12	1.10/27.94	1.24/31.50	↑		↑	
-013	2X13	1.20/30.48	1.34/34.04	↑		↑	
-014	2X14	1.30/33.02	1.44/36.58	↑		↑	
-015	2X15	1.40/35.56	1.54/39.12	↑		↑	
-016	2X16	1.50/38.10	1.64/41.66	↑		↑	
-017	2X17	1.60/40.64	1.74/44.20	↑		↑	
-018	2X18	1.70/43.18	1.84/46.74	↑		↑	
-019	2X19	1.80/45.72	1.94/49.29	↑		↑	
-020	2X20	1.90/48.26	2.04/51.82	↑		↑	
-021	2X21	2.00/50.80	2.14/54.36	↑		↑	
-022	2X22	2.10/53.34	2.24/56.90	↑		↑	
-023	2X23	2.20/55.88	2.34/59.44	↑		↑	
-024	2X24	2.30/58.42	2.44/61.98	↑		↑	
-025	2X25	2.40/60.96	2.54/64.52	↑		↑	
-026	2X26	2.50/63.50	2.64/67.06	↑		↑	
-027	2X27	2.60/66.04	2.74/69.60	↑		↑	
-028	2X28	2.70/68.58	2.84/72.14	↑		↑	
-029	2X29	2.80/71.12	2.94/74.68	↑		↑	
-030	2X30	2.90/73.66	3.04/77.22	↑		↑	
-031	2X31	3.00/76.20	3.14/79.76	↑		↑	
-032	2X32	3.10/78.74	3.24/82.30	↑		↑	
-033	2X33	3.20/81.28	3.34/84.84	↑		↑	
-034	2X34	3.30/83.82	3.44/87.38	↑		↑	
-035	2X35	3.40/86.36	3.54/89.92	↑		↑	
-036	2X36	3.50/88.90	3.64/92.46	↑		↑	
-037	2X37	3.60/91.44	3.74/95.00	↑		↑	
-038	2X38	3.70/93.88	3.84/97.54	↑		↑	
↓ -039	2X39	3.80/96.52	3.94/100.08	↑		↑	
67117-040	2X40	3.90/99.06	4.04/102.62	NO	NOTE 2(1)	NOTE 5,6	

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	X±0.01/X±0.3	INCH/MM	2 x .100/2.54 HORIZ.
				linear	X±0.05/X±0.13		CARD CONNECTOR
				0°±2°	X±0.020/X±0.05	scale 4:1	
		dr	B. ASHREFI	10/12/81			
		engr	D. NEIDICH	10/12/81			
		chr	D. NEIDICH	10/12/81			
		appd	D. NEIDICH	10/12/81			
	sheet	revision					
	index	sheet					



PRODUCT NO	NO. OF POS.	DIM A	DIM B	INSUL. PLUG	PLATING	LEAD FREE OPTION
67117-041	2X41	4.00/101.60	4.14/105.16	NO	NOTE 2(1)	NOTE 5,6
↑ -042	2X42	4.10/104.14	4.24/107.70	↑	↑	
-043	2X43	4.20/106.68	4.34/110.24			
-044	2X44	4.30/109.22	4.44/112.78			
-045	2X45	4.40/111.76	4.54/115.32			
-046	2X46	4.50/114.30	4.64/117.86			
-047	2X47	4.60/116.84	4.74/120.40			
-048	2X48	4.70/119.38	4.84/122.94			
-049	2X49	4.80/121.92	4.94/125.48			
-050	2X50	4.90/124.46	5.04/128.02			
-051	2X51	5.00/127.00	5.14/130.56			
-052	2X52	5.10/129.54	5.24/133.10			
-053	2X53	5.20/132.08	5.34/135.64			
-054	2X54	5.30/134.62	5.44/138.18			
-055	2X55	5.40/137.16	5.54/140.72			
-056	2X56	5.50/139.70	5.64/143.26			
-057	2X57	5.60/142.24	5.74/145.80			
-058	2X58	5.70/144.78	5.84/148.34			
-059	2X59	5.80/147.32	5.94/150.88			
-060	2X60	5.90/149.86	6.04/153.42			
-061	2X61	6.00/152.40	6.14/155.96			
-062	2X62	6.10/154.94	6.24/158.50			
↓ -063	2X63	6.20/157/48	6.34/161.04			
↓ -064	2X64	6.30/160.02	6.44/163.58	↓	↓	
67117-065	2X65	6.40/162.56	6.54/166.12	NO	NOTE 2(1)	NOTE 5,6
67117-132	2X32	3.10/78.74	3.24/82.30	NO	NOTE 2(2)	

mat'l. code —				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family CARD CONN	
Itr	ecn	no	dr	date	tolerances unless otherwise specified			
P					angles linear 0°±2°	XX±0.1/X0.3 XXX±.005/XXX±.13 XXX±.020/XXX±.051	INCH/MM scale 4:1	
					dr	B. ASHREF1	10/12/81	dwg no FCI 67117 sheet 4 of 6 size A3
					engr	D. NEIDICH	10/12/81	
					chr	D. NEIDICH	10/12/81	
					appd	D. NEIDICH	10/12/81	
sheet	revision							type Product Customer Drawing

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	OBsolete
	-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	+	NOTE 2(1)	---
67117-540	2X40	3.90/99.06	4.04/102.62	YES	NOTE 2(1)	NOTE 5,6	---

PRODUCT NO	NO. OF POS.	DIM A	DIM B	INSUL. PLUG	PLATING	LEAD FREE OPTION						
67117-541	2X41	4.00/101.60	4.14/105.16	YES	NOTE 2(1)	NOTE 5,6						
↑ -542	2X42	4.10/104.14	4.24/107.70									
-543	2X43	4.20/106.68	4.34/110.24									
-544	2X44	4.30/109.22	4.44/112.78									
-545	2X45	4.40/111.76	4.54/115.32									
-546	2X46	4.50/114.30	4.64/117.86									
-547	2X47	4.60/116.84	4.74/120.40									
-548	2X48	4.70/119.38	4.84/122.94									
-549	2X49	4.80/121.92	4.94/125.48									
-550	2X50	4.90/124.46	5.04/128.02									
-551	2X51	5.00/127.00	5.14/130.56									
-552	2X52	5.10/129.54	5.24/133.10									
-553	2X53	5.20/132.08	5.34/135.64									
-554	2X54	5.30/134.62	5.44/138.18									
-555	2X55	5.40/137.16	5.54/140.72									
-556	2X56	5.50/139.70	5.64/143.26									
-557	2X57	5.60/142.24	5.74/145.80									
-558	2X58	5.70/144.78	5.84/148.34									
-559	2X59	5.80/147.32	5.94/150.88									
-560	2X60	5.90/149.86	6.04/153.42									
-561	2X61	6.00/152.40	6.14/155.96									
-562	2X62	6.10/154.94	6.24/158.50									
-563	2X63	6.20/157.48	6.34/161.04									
↓ -564	2X64	6.30/160.02	6.44/163.58									
67117-565	2X65	6.40/162.56	6.54/166.12	YES	NOTE 2(1)	NOTE 5,6						
67117-265	2X65	6.40/162.56	6.54/166.12	YES	NOTE 2(2)							

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	XX±0.03 XXX±0.05/XXX±0.13 XXX±0.020/XXX±0.05	
				0°±2°			2 x .100/.254 HORIZ. CARD CONNECTOR
					dr	B. ASHREFI 10/12/81	scale 4:1
					engr	D. NEIDICH 10/12/81	
					chr	D. NEIDICH 10/12/81	
					appd	D. NEIDICH 10/12/81	
sheet	revision						
index	sheet						

FCI

dwg no sheet 6 of 6 size
67117 A3

type Product Customer Drawing

Mouser Electronics

Authorized Distributor

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

FCI / Amphenol:

[67117-025](#) [67117-032](#) [67117-040](#) [67117-565](#) [67117-025LF](#) [67117-032LF](#) [67117-040LF](#) [67117-565LF](#) [67117-265](#)
[67117-132](#)