

PRODUCT NO
SEE TABLE

Copyright FCI



Fciconnect.com

form: A3

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302		ISO 406 ISO 1101		1st angle		CARD CONN	
itr		ecn no		date		tolerances unless specified		title	
P		EX-N-14417		DCS 2013-02-05		.XXL01/.XXL03 .XXL05/.XXL13 .XXL16/.XXL20		2 x .100/2.54 HORIZ. CARD CONNECTOR	
J		M05-018		MHT 8/20/05		0 ± .2		dwg no	
K		M06-0117		AEA 6/26/06		dr		67117	
L		M07-0137		MHT 2/26/07		engr		sheet 1 of 6	
M		M08-0232		MHT 8/14/08		chr		A3	
N		M09-0093		MHT 6/22/09		appd		type	
sheet		revision		P		P		Product Customer Drawing	
index		Sheet		1		2		3	
				4		5		6	

STATUS: Released Printed: Apr 09, 2013

PDS: Rev : P

3

2

1

6

PRODUCT NO
SEE TABLE

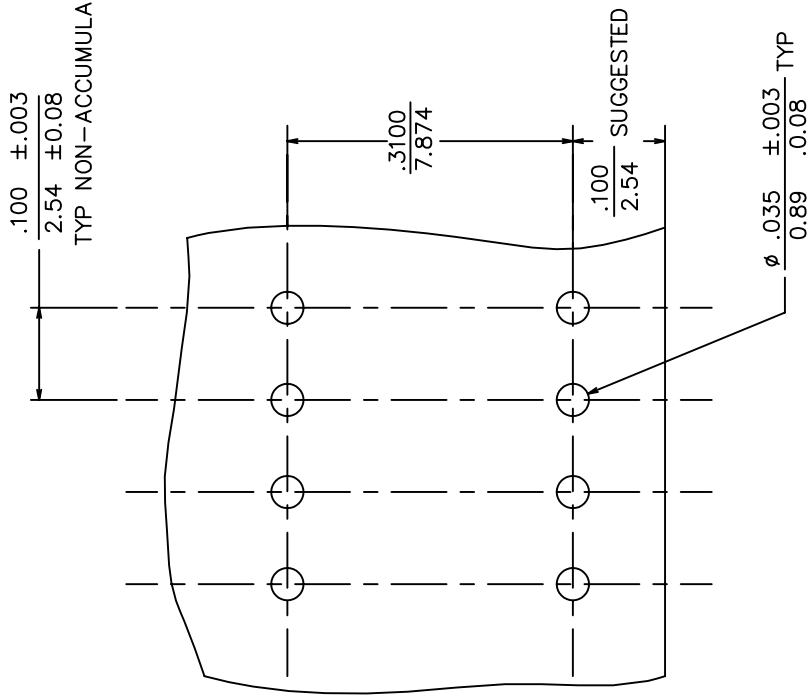


FIGURE 1
SCALE 5/1

- 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		tolerance		projection		product family	
-		ISO 1302		ISO 406		⌀		CARD CONN	
itr		date		tolerances unless otherwise specified		title			
P				linear		INCH/MM		2 x .100/2.54 HORIZ. CARD CONNECTOR	
		angles		.XXX/0.001/XXX/0.001		scale 4:1		dwg no 67117 sheet 2 of 6 size A3	
		0 ±.2		.XXX/0.001/XXX/0.001		FCI		type Product Customer Drawing	
sheet		dr		B. ASHREFT 10/12/81					
revision		engr		D. NEIDICH 10/12/81					
index		chr		D. NEIDICH 10/12/81					
		appd		D. NEIDICH 10/12/81					

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

mat'l. code		surface		tolerance		projection		product family	
P		ISO 1302		ISO 406		1st angle		CARD CONN	
ecn no		angles		ISO 1101		INCH/MM		title	
dr		linear		XX.XX/XX.XX		scale 4:1		2 x .100/2.54 HORIZ.	
date		0±Z		XX.XX/XX.XX/XX.XX		sheet 3 of 6		size	
		dr		B. ASHREFT		10/12/81		67117	
		engr		D. NEIDICH		10/12/81		A3	
		chr		D. NEIDICH		10/12/81		type	
		appd		D. NEIDICH		10/12/81		Product Customer Drawing	
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	tolerance	projection	product family
ISO 1302	ISO 406	ISO 1101	1st angle	CARD CONN
ecr no	date	tolerances unless otherwise specified	INCH/MM	title
		linear	scale 4:1	2 x .100/2.54 HORIZ. CARD CONNECTOR
sheet index	revision	sheet	scale	dwg no
				67117
				sheet 4 of 6 size A3
				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
67117-502	2X2	.10/2.54	.24/6.10		OBSOLETE
67117-503	2X3	.20/5.08	.34/8.64		OBSOLETE
67117-504	2X4	.30/7.62	.44/11.18		OBSOLETE
67117-505	2X5	.40/10.16	.54/13.72		OBSOLETE
67117-506	2X6	.60/12.70	.64/16.26		
67117-507	2X7	.60/15.24	.74/18.80		
67117-508	2X8	.70/17.78	.84/21.34		
67117-509	2X9	.80/20.32	.94/23.88		
67117-510	2X10	.90/22.86	1.04/26.42		
67117-511	2X11	1.00/25.40	1.14/28.96		
67117-512	2X12	1.10/27.94	1.24/31.50		
67117-513	2X13	1.20/30.48	1.34/34.04		
67117-514	2X14	1.30/33.02	1.44/36.58		
67117-515	2X15	1.40/35.56	1.54/39.12		
67117-516	2X16	1.50/38.10	1.64/41.66		
67117-517	2X17	1.60/40.64	1.74/44.20		
67117-518	2X18	1.70/43.18	1.84/46.74		
67117-519	2X19	1.80/45.72	1.94/49.28		
67117-520	2X20	1.90/48.26	2.04/51.82		
67117-521	2X21	2.00/50.80	2.14/54.36		
67117-522	2X22	2.10/53.34	2.24/56.90		
67117-523	2X23	2.20/55.88	2.34/59.44		
67117-524	2X24	2.30/58.42	2.44/61.98		
67117-525	2X25	2.40/60.96	2.54/64.52		
67117-526	2X26	2.50/63.50	2.64/67.06		
67117-527	2X27	2.60/66.04	2.74/69.60		
67117-528	2X28	2.70/68.58	2.84/72.14		
67117-529	2X29	2.80/71.12	2.94/74.68		
67117-530	2X30	2.90/73.66	3.04/77.22		
67117-531	2X31	3.00/76.20	3.14/79.76		
67117-532	2X32	3.10/78.74	3.24/82.30		
67117-533	2X33	3.20/81.28	3.34/84.84		
67117-534	2X34	3.30/83.82	3.44/87.38		
67117-535	2X35	3.40/86.36	3.54/89.92		
67117-536	2X36	3.50/88.90	3.64/92.46		
67117-537	2X37	3.60/91.44	3.74/95.00		
67117-538	2X38	3.70/93.98	3.84/97.54		
67117-539	2X39	3.80/96.52	3.94/100.08		
67117-540	2X40	3.90/99.06	4.04/102.62	YES	NOTE 2(1)

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
67117-542	2X42	4.10/104.14	4.24/107.70			
67117-543	2X43	4.20/106.68	4.34/110.24			
67117-544	2X44	4.30/109.22	4.44/112.78			
67117-545	2X45	4.40/111.76	4.54/115.32			
67117-546	2X46	4.50/114.30	4.64/117.86			
67117-547	2X47	4.60/116.84	4.74/120.40			
67117-548	2X48	4.70/119.38	4.84/122.94			
67117-549	2X49	4.80/121.92	4.94/125.48			
67117-550	2X50	4.90/124.46	5.04/128.02			
67117-551	2X51	5.00/127.00	5.14/130.56			
67117-552	2X52	5.10/129.54	5.24/133.10			
67117-553	2X53	5.20/132.08	5.34/135.64			
67117-554	2X54	5.30/134.62	5.44/138.18			
67117-555	2X55	5.40/137.16	5.54/140.72			
67117-556	2X56	5.50/139.70	5.64/143.26			
67117-557	2X57	5.60/142.24	5.74/145.80			
67117-558	2X58	5.70/144.78	5.84/148.34			
67117-559	2X59	5.80/147.32	5.94/150.88			
67117-560	2X60	5.90/149.86	6.04/153.42			
67117-561	2X61	6.00/152.40	6.14/155.96			
67117-562	2X62	6.10/154.94	6.24/158.50			
67117-563	2X63	6.20/157.48	6.34/161.04			
67117-564	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		1st angle		CARD CONN	
P		linear		XXL01/XXL03		INCH/MM		title	
ecn no		0±2		XXXL000/XXXL005		scale 4:1		2 x .100/2.54 HORIZ.	
no		dr		B. ASHREFT 10/12/81		FCJ		CARD CONNECTOR	
date		engr		D. NEIDICH 10/12/81		dwg no		sheet 6 of 6 size	
		chr		D. NEIDICH 10/12/81		67117		A3	
revision		appd		D. NEIDICH 10/12/81		type		Product Customer Drawing	
sheet									
index									