

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0791077023](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Vertical, Through Hole, Dual Row, 3.00mm (.118) Tail Length, 0.38µm (15µ") Gold (Au) Selective Plating, 48 Circuits, Leadfree

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-79107 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [79107](#)
Application Board-to-Board
Product Name Milli-Grid™

Physical

Circuits (Loaded) 48
Color - Resin Black
Durability (mating cycles max) 50
Glow-Wire Compliant No
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PC Tail Length (in) 0.118 In
PC Tail Length (mm) 3.00 mm
PCB Locator No
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tube
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Pitch - Term. Interface (in) 0.079 In
Pitch - Term. Interface (mm) 2.00 mm
Plating min: Mating (µin) 15
Plating min: Mating (µm) 0.375
Plating min: Termination (µin) 75
Plating min: Termination (µm) 1.875
Polarized to Mating Part No
Polarized to PCB No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 125V

Solder Process Data

Duration at Max. Process Temperature (seconds) 10
Lead-free Process Capability Wave Capable (TH only)

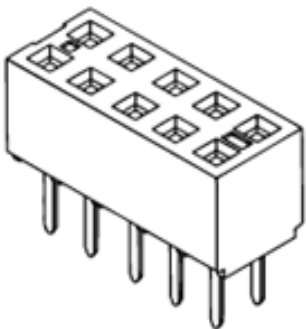


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[79107Series](#)

Mates With
[87758](#) Vertical, Through Hole, Stackable PCB Header, [87759](#) Vertical, Surface Mount, Stackable PCB Header, [87760](#) Right Angle, Through Hole, Stackable PCB Header, [87831](#) Vertical, Through Hole PCB Header, [87832](#) Vertical, Surface Mount PCB

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

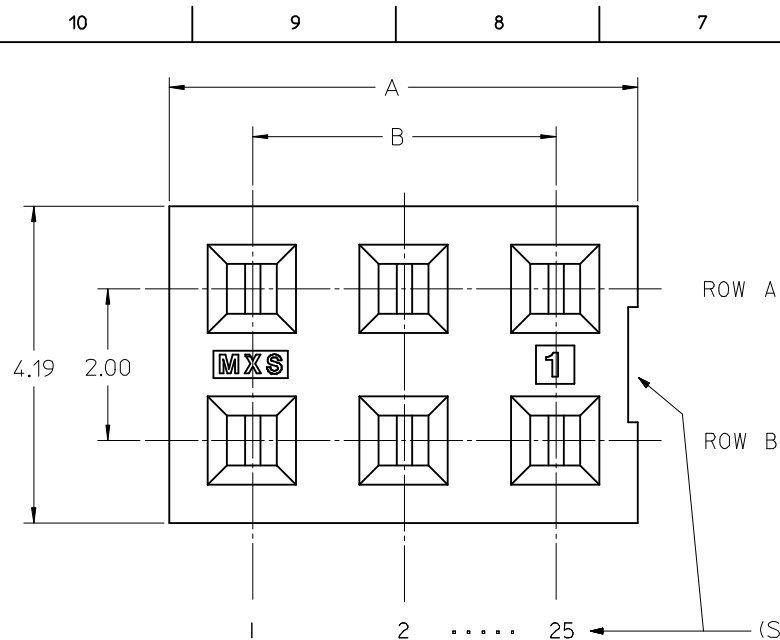
Material Info

Reference - Drawing Numbers

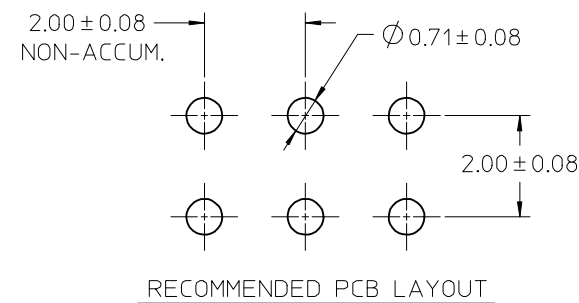
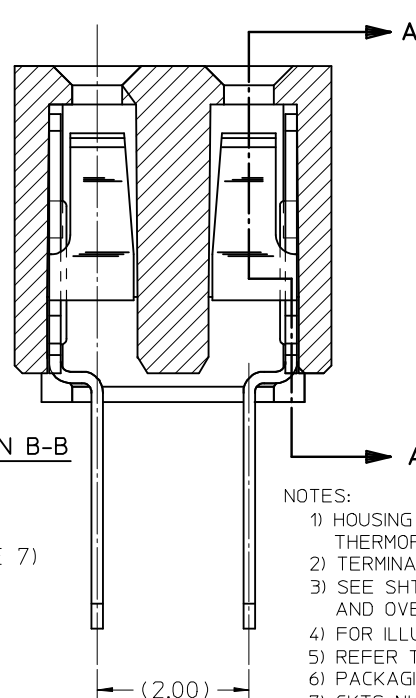
Product Specification	PS-79107
Sales Drawing	SDA-79107-****

This document was generated on 03/18/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



SECTION B-B

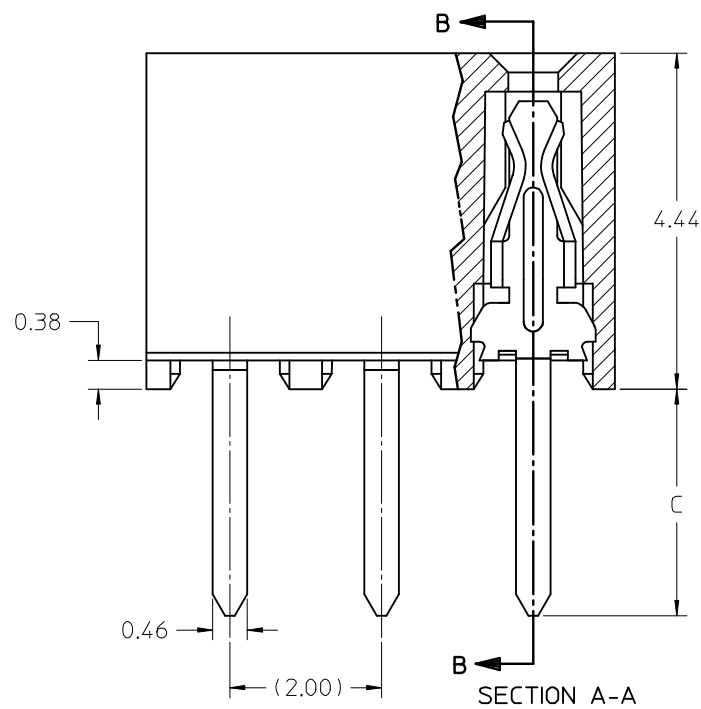


NOTES:

- 1) HOUSING MATERIAL: GLASS FILLED HIGH TEMP THERMOPLASTIC, COLOR: BLACK
- 2) TERMINAL MATERIAL: PHOSPHOR BRONZE
- 3) SEE SHT 2 FOR CKT SIZE, PART NUMBERS AND OVERALL DIMENSIONS, SEE SHT 3 FOR VOIDS.
- 4) FOR ILLUSTRATION, 6 CKT ASSY SHOWN.
- 5) REFER TO PRODUCT SPEC PS-79107
- 6) PACKAGING PER PK-70873-0180
- 7) CKTS NUMBERED FROM LEFT TO RIGHT WHEN PART IS VIEWED FROM TOP WITH RECESS ON THE RIGHT AS SHOWN.
- 8) SOLDER TAIL TO BE MEASURED BY PITCH GAUGE.

PLATING OPTION:

- 4) - 30u"/0.76um MIN GOLD PLATE IN SELECTED AREA
75u"/1.90um MIN TIN PLATE IN SELECTED AREA
BOTH OVER 50u"/1.25um MIN NICKEL OVERALL
- 5) - 15u"/0.38um MIN GOLD PLATE IN SELECTED AREA
75u"/1.90um MIN TIN PLATE IN SELECTED AREA
BOTH OVER 50u"/1.25um MIN NICKEL OVERALL
- 6) - 2u"/0.05um MIN GOLD PLATE IN SELECTED AREA
40u"/1.02um MIN TIN PLATE IN SELECTED AREA
BOTH OVER 40u"/1.02um MIN NICKEL OVERALL



PDRS#1861, ADD 79107/5104, 5105, 5106, 5107 EC NO: S2009-0107 DRWNATSEE 2008/09/03 CHKD:SKANG 2008/09/15 APPR:MLONG 2008/09/15 H1			QUALITY SYMBOLS ▽=0 ◇=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		mm			INCH	DRAWN BY AAB	DATE 1989/05/15	TITLE 2MM DUAL ROW VERTICAL RECEPTACLE T/H			
		4 PLACES ± ---			± ---	CHECKED BY MJM	DATE 1989/05/15				
		3 PLACES ± ---			± ---	APPROVED BY WAZ	DATE 1989/05/15				
		2 PLACES ± 0.25	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		1 PLACE ± 0.38	± ---	SEE TABLE		SDA-79107-****		1 OF 3			
		ANGULAR ± 1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				SIZE A3							

10	9	8	7	6	5	4	3	2	1											
			P.C.TAIL DIMENSION 'C' = 3.00						P.C.TAIL DIMENSION 'C' = 1.91											
CKT SIZE	DIM 'A'	DIM 'B'	PLATING OPTION 5			PLATING OPTION 4			PLATING OPTION 6			PLATING OPTION 5			PLATING OPTION 4			PLATING OPTION 6		
			ITEM NO.			ITEM NO.			ITEM NO.			ITEM NO.			ITEM NO.			ITEM NO.		
04	(4.19)	(2.00)		79107-7001		79107-7051	X	79107-7126		79107-7201		79107-7251	X	79107-7326						
06	(6.19)	(4.00)		79107-7002		79107-7052	X	79107-7127		79107-7202		79107-7252	X	79107-7327						
08	(8.19)	(6.00)		79107-7003		79107-7053	X	79107-7128		79107-7203		79107-7253	X	79107-7328						
10	(10.19)	(8.00)		79107-7004		79107-7054	X	79107-7129		79107-7204		79107-7254	X	79107-7329						
12	(12.19)	(10.00)		79107-7005		79107-7055		79107-7130		79107-7205		79107-7255		79107-7330						
14	(14.19)	(12.00)		79107-7006		79107-7056	X	79107-7131		79107-7206		79107-7256	X	79107-7331						
16	(16.19)	(14.00)		79107-7007		79107-7057	X	79107-7132		79107-7207		79107-7257	X	79107-7332						
18	(18.19)	(16.00)		79107-7008		79107-7058	X	79107-7133		79107-7208		79107-7258	X	79107-7333						
20	(20.19)	(18.00)		79107-7009		79107-7059	X	79107-7134		79107-7209		79107-7259	X	79107-7334						
22	(22.19)	(20.00)		79107-7010		79107-7060	X	79107-7135		79107-7210		79107-7260	X	79107-7335						
24	(24.19)	(22.00)		79107-7011		79107-7061	X	79107-7136		79107-7211		79107-7261	X	79107-7336						
26	(26.19)	(24.00)		79107-7012		79107-7062	X	79107-7137		79107-7212		79107-7262	X	79107-7337						
28	(28.19)	(26.00)		79107-7013		79107-7063	X	79107-7138		79107-7213		79107-7263	X	79107-7338						
30	(30.19)	(28.00)		79107-7014		79107-7064	X	79107-7139		79107-7214		79107-7264	X	79107-7339						
32	(32.19)	(30.00)		79107-7015		79107-7065	X	79107-7140		79107-7215		79107-7265	X	79107-7340						
34	(34.19)	(32.00)		79107-7016		79107-7066	X	79107-7141		79107-7216		79107-7266	X	79107-7341						
36	(36.19)	(34.00)		79107-7017		79107-7067	X	79107-7142		79107-7217		79107-7267	X	79107-7342						
38	(38.19)	(36.00)		79107-7018		79107-7068	X	79107-7143		79107-7218		79107-7268	X	79107-7343						
40	(40.19)	(38.00)		79107-7019		79107-7069	X	79107-7144		79107-7219		79107-7269	X	79107-7344						
42	(42.19)	(40.00)		79107-7020		79107-7070	X	79107-7145		79107-7220		79107-7270	X	79107-7345						
44	(44.19)	(42.00)		79107-7021		79107-7071	X	79107-7146		79107-7221		79107-7271	X	79107-7346						
46	(46.19)	(44.00)		79107-7022		79107-7072	X	79107-7147		79107-7222		79107-7272	X	79107-7347						
48	(48.19)	(46.00)		79107-7023		79107-7073	X	79107-7148		79107-7223		79107-7273	X	79107-7348						
50	(50.19)	(48.00)		79107-7024		79107-7074	X	79107-7149		79107-7224		79107-7274	X	79107-7349						

"X" - DENOTES THE ITEM IS NOT AVAILABLE CURRENTLY.

PDRS#1861, ADD 7907/5104, 5105, 5106, 5107 EC NO.: S2009-0107 DRAWN AT SEE CHK'D:SKANG APPR:MLONG H1	2008/09/03 2008/09/15 2008/09/15	DESCRIPTION REV	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
					mm	INCH	DRAWN BY AAB	DATE 1989/05/15	TITLE 2MM DUAL ROW VERTICAL RECEPTACLE T/H						
				4 PLACES	± ---	± ---	CHECKED BY	DATE							
				3 PLACES	± ---	± ---	MJM	1989/05/15	MOLEX INCORPORATED SDA-79107-**** SHEET NO. 2 OF 3						
				2 PLACES	± 0.25	± ---	APPROVED BY WAZ	DATE 1989/05/15							
1 PLACE	± 0.38	± ---	MATERIAL NO.		DOCUMENT NO.		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE									

MOLDED VOID OPTION
ASSEMBLIES WITHOUT PEGS

CKT. SIZE	ASSEMBLY	VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM. "A"	DIM. "B"	P.C. TAIL DIM. "C"
	ITEM NO.	ROW	CKT. NO.(s)				
24	79107-5101	ROW B	6	5	(24.19)	(22.00)	(3.00)
10	79107-5102	ROW A	5	5	(10.19)	(8.00)	(3.00)
26	79107-5103	ROW B	5	5	(26.19)	(24.00)	(3.00)
20	79107-5104	ROW A	7	5	(20.19)	(18.00)	(1.91)
24	79107-5105	ROW B	10	5	(24.19)	(22.00)	(1.91)
20	79107-5106	ROW A	7	5	(20.19)	(18.00)	(3.00)
24	79107-5107	ROW B	10	5	(24.19)	(22.00)	(3.00)

"X" - DENOTES THE ITEM IS NOT AVAILABLE CURRENTLY.

NOTES

- 1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS HOWEVER, PIN WINDOWS WILL BE CLOSED.
- 2. VOIDS CANNOT BE PRESENT IN BOTH ROWS ON A CONNECTOR.

PDRS#1861, ADD 791075104, 5105, 5106, 5107 EC NO: S2009-0107 DRAWN BY CHYD:SKANG 2008/09/15 APPR:MLONG 2008/09/15	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY AAB	DATE 1989/05/15	2MM DUAL ROW VERTICAL RECEPTACLE T/H			
		4 PLACES	± ---	± ---		CHECKED BY MJM	DATE 1989/05/15				
		3 PLACES	± ---	± ---		APPROVED BY WAZ	DATE 1989/05/15	MOLEX INCORPORATED			
		2 PLACES	± 0.25	± ---		MATERIAL NO.					
		1 PLACE	± 0.38	± ---		SEE TABLE					
		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SDA-79107-****			
H1		REV			SIZE A3			DOCUMENT NO.	SHEET NO. 3 OF 3		