

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0791081073](#)
Status: **Active**
Overview: [milligrid](#)
Description: 2.00mm (.079") Pitch Milli-Grid™ Flex-to-Board Vertical Receptacle Dual Row Through-Hole, 0.76µm (30µ") Gold (Au) Selective Plating, 48 Circuits, Leadfree

Documents:

3D Model	Product Specification PS-79107 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

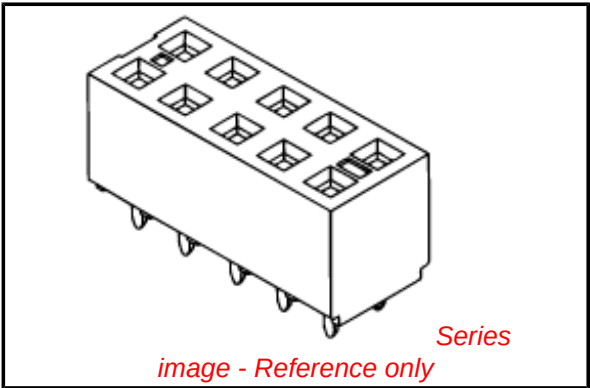
Product Family	FFC/FPC Connectors
Series	79108
Overview	milligrid
Product Name	Milli-Grid™

Physical

Circuits (Loaded)	48
Color - Resin	Black
Contact Position	Top
Durability (mating cycles max)	50
Entry Angle	90° Angle
Flammability	94V-0
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.050 In
PC Tail Length (mm)	1.27 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.024 In
PCB Thickness Recommended (mm)	0.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.875
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole
Wire/Cable Type	FFC/FPC

Electrical

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



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

[79108Series](#)

Mates With

[87833](#) , [87832](#) , [87831](#) , [87758](#) , [87759](#) ,
[87760](#)

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

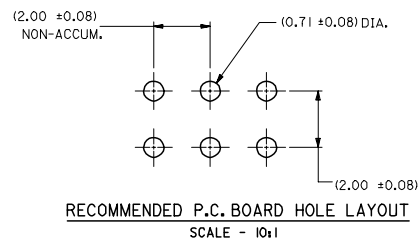
Material Info

Reference - Drawing Numbers

Product Specification	PS-79107
Sales Drawing	SDA-79108-****

This document was generated on 05/20/2010

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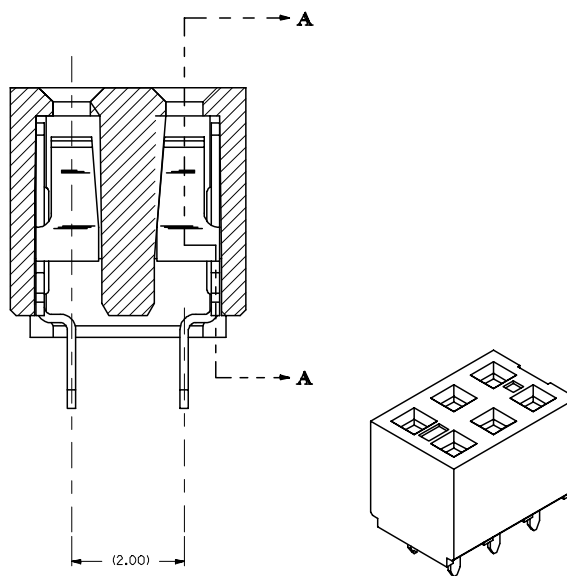


- 1 - HOUSING MATERIAL: GLASS FILLED
LCP. COLOR: BLACK.
- 2 - TERMINAL MATERIAL: PHOSPHOR BRONZE
- 3 - SEE SHEET 2 FOR CIRCUIT SIZE, PART NUMBERS
AND OVER-ALL DIMENSIONS.
- 4 - FOR ILLUSTRATION, 6 CIRCUIT ASSEMBLY SHOWN.
- 5 - REFER TO PRODUCT SPECIFICATION PS-79107.
- 6 - PACKAGING PER PK-70873-0180.
- 7 - SEE SHEET 3 FOR VOIDED ASSEMBLIES.
- 8 - CKTS. NUMBERED FROM LEFT TO RIGHT WHEN PART IS
VIEWED FROM TOP WITH RECESS ON RIGHT AS SHOWN.

(4) 0.76µm MIN. GOLD PLATE IN SELECTED AREA AND
1.91µm MIN. TIN IN SELECTED AREA OVER 1.27µm MIN.
NICKEL OVER-ALL

(5) 0.38µm MIN. GOLD PLATE IN SELECTED AREA AND
1.91µm MIN. TIN IN SELECTED AREA OVER 1.27µm MIN.
NICKEL OVER-ALL

(6) 0.13µm MIN. GOLD PLATE IN SELECTED AREA AND
1.91µm MIN. TIN IN SELECTED AREA OVER 1.27µm MIN.
NICKEL OVER-ALL



SECTION B-B

tb_frame_A3_P_AM_T
Rev. E 2006/04/15

	10	9	8	7	6	5	4	3	2	1	
F											F
E											E
D											D
C											C
B											B
A											A

CKT. SIZE	DIM. "A"	DIM. "B"	PLATING OPTION 5		PLATING OPTION 4		PLATING OPTION 6	
			EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	EDP NO.	ENG. NO.
04	(2.00)	(4.19)	791081001	79108-1001	791081051	79108-1051	NOT TOOLED	79108-1101
06	(4.00)	(6.19)	791081002	79108-1002	791081052	79108-1052		79108-1102
08	(6.00)	(8.19)	791081003	79108-1003	791081053	79108-1053		79108-1103
10	(8.00)	(10.19)	791081004	79108-1004	791081054	79108-1054		79108-1104
12	(10.00)	(12.19)	791081005	79108-1005	791081055	79108-1055		79108-1105
14	(12.00)	(14.19)	791081006	79108-1006	791081056	79108-1056		79108-1106
16	(14.00)	(16.19)	791081007	79108-1007	791081057	79108-1057		79108-1107
18	(16.00)	(18.19)	791081008	79108-1008	791081058	79108-1058		79108-1108
20	(18.00)	(20.19)	791081009	79108-1009	791081059	79108-1059		79108-1109
22	(20.00)	(22.19)	791081010	79108-1010	791081060	79108-1060		79108-1110
24	(22.00)	(24.19)	791081011	79108-1011	791081061	79108-1061		79108-1111
26	(24.00)	(26.19)	791081012	79108-1012	791081062	79108-1062		79108-1112
28	(26.00)	(28.19)	791081013	79108-1013	791081063	79108-1063		79108-1113
30	(28.00)	(30.19)	791081014	79108-1014	791081064	79108-1064		79108-1114
32	(30.00)	(32.19)	791081015	79108-1015	791081065	79108-1065		79108-1115
34	(32.00)	(34.19)	791081016	79108-1016	791081066	79108-1066		79108-1116
36	(34.00)	(36.19)	791081017	79108-1017	791081067	79108-1067		79108-1117
38	(36.00)	(38.19)	791081018	79108-1018	791081068	79108-1068		79108-1118
40	(38.00)	(40.19)	791081019	79108-1019	791081069	79108-1069		79108-1119
42	(40.00)	(42.19)	791081020	79108-1020	791081070	79108-1070		79108-1120
44	(42.00)	(44.19)	791081021	79108-1021	791081071	79108-1071		79108-1121
46	(44.00)	(46.19)	791081022	79108-1022	791081072	79108-1072		79108-1122
48	(46.00)	(48.19)	791081023	79108-1023	791081073	79108-1073		79108-1123
50	(48.00)	(50.19)	791081024	79108-1024	791081074	79108-1074		79108-1124

REVISE PDR#S1436 EC NO: S2007-0532 DRWN:KELIM CHKD:M LONG APPR:SKTOH			DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		mm			INCH	DRAWN BY	DATE	TITLE 2MM DUAL ROW, FFC VERTICAL RECEPTACLE						
		4 PLACES			± ---	± ---	AAB							1998/05/15
		3 PLACES			± 0.10	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED					
		2 PLACES			± 0.15	± ---	MJM	1998/05/15						
		1 PLACE	± ---	± ---	APPROVED BY	DATE	MATERIAL NO. SEE TABLE DOCUMENT NO. SDA-79108-**** SHEET NO. 2 OF 4							
		ANGULAR ±1/2°			WAZ	1998/05/15								
E2		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

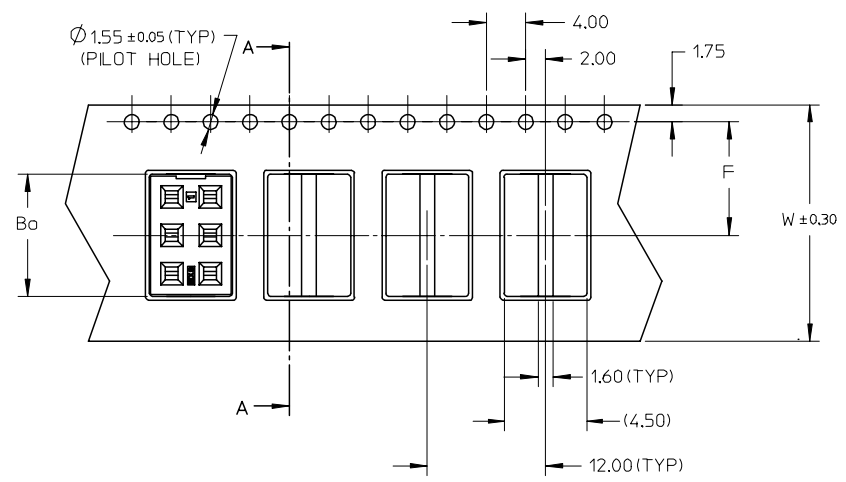
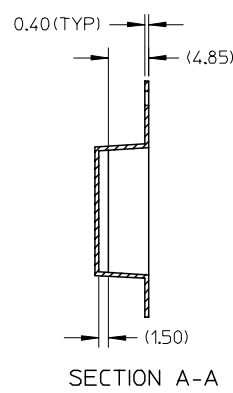
SEE TABLE

SIZE
A3

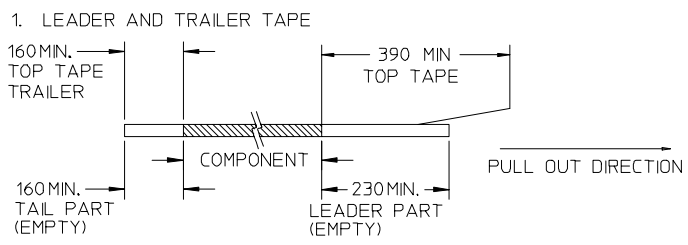
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10	9	8	7	6	5	4	3	2	1																																	
MOLDED VOID OPTION																																										
ASSEMBLY			VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM. "A"	DIM. "B"																																			
CKT. SIZE	EDP NO.	ENG. NO.	ROW	CKT. NO.(S)																																						
44	791085003	79108-5003	ROW A	I3	4	(42.00)	(44.19)																																			
44	791085004	79108-5004	ROW B	I0	4	(42.00)	(44.19)																																			
NOTES:																																										
1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS HOWEVER, PIN WINDOWS WILL BE CLOSED.																																										
2. VOIDS CAN ONLY BE PRESENT IN ONE ROW OF THE CONNECTOR.																																										
REVISE PDR#S1436 EC NO: S2007-0532 DRWN:KFLM 2006/12/06 CHKD:M.LONG 2006/12/07 APPR:SKTOH 2006/12/07				QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± 0.10</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.15</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ±1/2°</td></tr></table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± 0.10	± ---	2 PLACES	± 0.15	± ---	1 PLACE	± ---	± ---	ANGULAR ±1/2°			DIMENSION STYLE MM ONLY <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>AAB</td><td>1998/05/15</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>MJM</td><td>1998/05/15</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>WAZ</td><td>1998/05/15</td></tr></table>		DRAWN BY	DATE	AAB	1998/05/15	CHECKED BY	DATE	MJM	1998/05/15	APPROVED BY	DATE	WAZ	1998/05/15	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
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SIZE A3					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX INCORPORATED																																			
E2					DOCUMENT NO. SDA-79108-****		SHEET NO. 3 OF 4																																			
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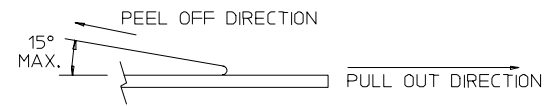
ASSEMBLY P/N PACKED IN T&R	CKT SIZE	PLATING OPTION	DIM A	DIM B	(F)	(Bo)	(W)
79108-6001	16	5	14.00	16.19	11.50	16.60	24.00



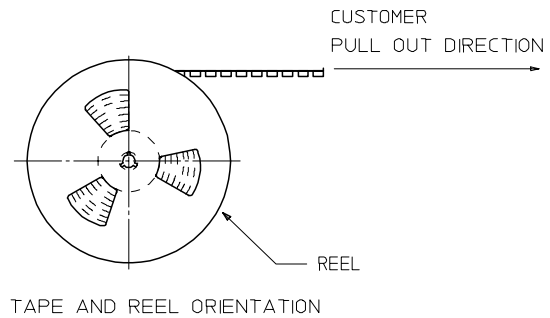
NOTES:



2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



- 3. PACKAGING STANDARD IS AS PER EIA-481.
- 4. THE TAPE IS TREATED FOR ANTI-STATIC.
- 5. MATERIAL: CLEAR POLYSTYRENE.
- 6. TAPE & REEL QUANTITY = 800 PCS/REEL



REVISE PDR#S1436 EC NO: S2007-0532 2006/12/06 DRWN:KFLIM CHKD:M LONG 2006/12/07 APPR:SKTOH		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY AAB	DATE 1998/05/15	TITLE 2MM DUAL ROW, FFC VERTICAL RECEPTACLE		
					± ---	± ---	CHECKED BY MJM	DATE 1998/05/15			
					± 0.10	± ---	APPROVED BY	DATE			
					± 0.15	± ---	WAZ	1998/05/15			
ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MOLEX INCORPORATED		DOCUMENT NO. SDA-79108-****		SHEET NO. 4 OF 4	
E2		REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								