

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0791081021](#)
Status: **Active**
Overview: [milligrid](#)
Description: 2.00mm (.079") Pitch Milli-Grid™ Flex-to-Board Vertical Receptacle Dual Row Through-Hole, 0.38µm (15µ") Gold (Au) Selective Plating, 44 Circuits, Leadfree

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

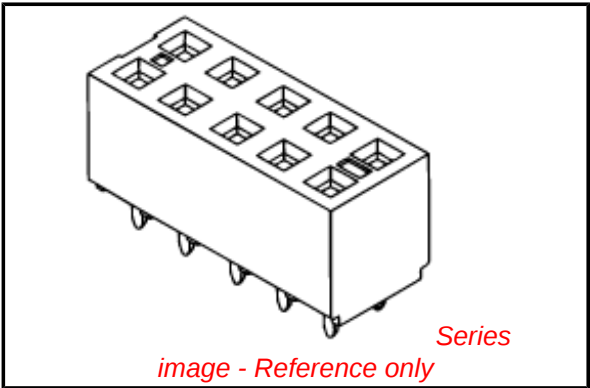
Product Family	FFC/FPC Connectors
Series	79108
Overview	milligrid
Product Name	Milli-Grid™

Physical

Circuits (Loaded)	44
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)	15
Plating min: Mating (µm)	0.375
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

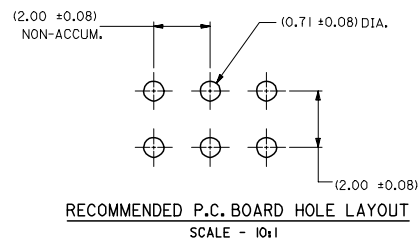
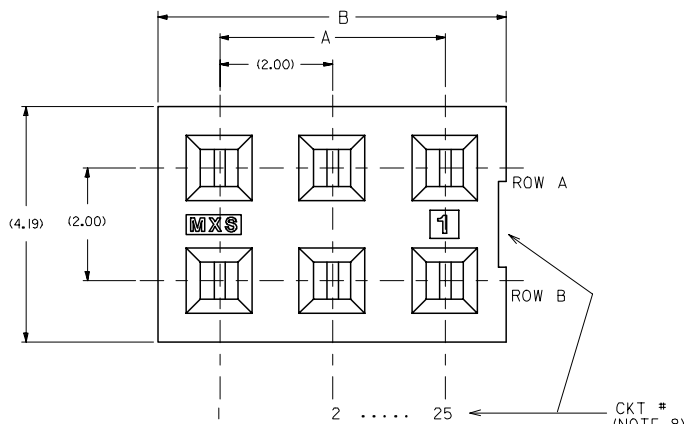
Material Info

Reference - Drawing Numbers

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

This document was generated on 05/20/2010

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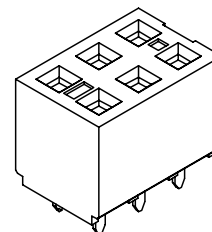
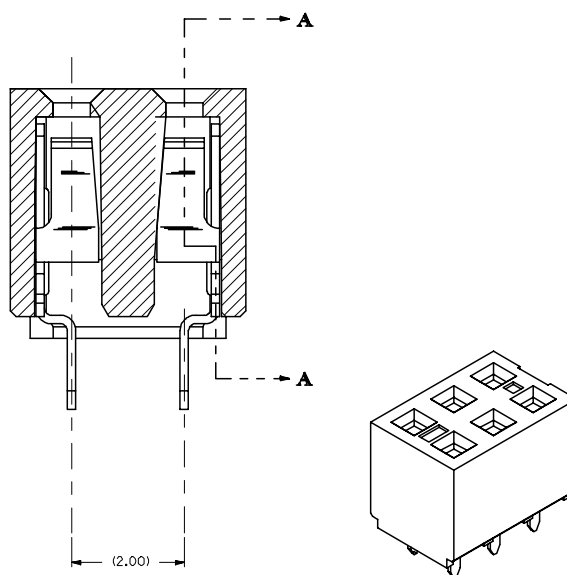
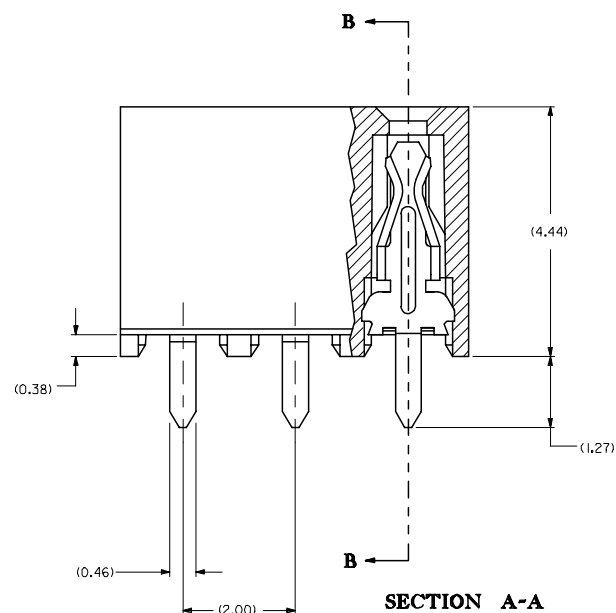


NOTES:

- 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.

PLATING OPTION :

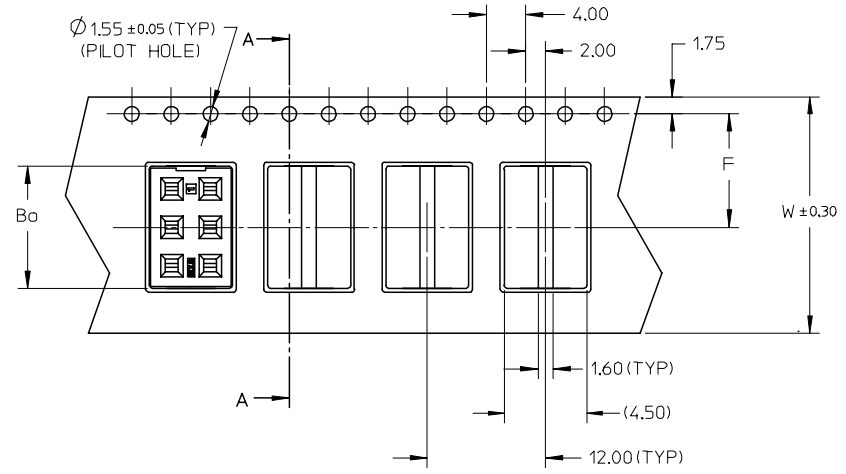
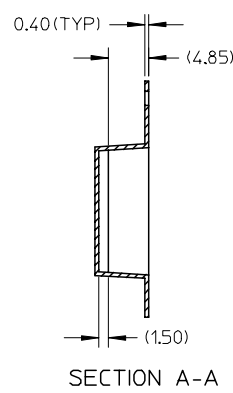
- (4) 0.76µm MIN. GOLD PLATE IN SELECTED AREA AND 1.91µm MIN. TIN IN SELECTED AREA OVER 1.27µm MIN. NICKEL OVER-ALL
- (5) 0.38µm MIN. GOLD PLATE IN SELECTED AREA AND 1.91µm MIN. TIN IN SELECTED AREA OVER 1.27µm MIN. NICKEL OVER-ALL
- (6) 0.13µm MIN. GOLD PLATE IN SELECTED AREA AND 1.91µm MIN. TIN IN SELECTED AREA OVER 1.27µm MIN. NICKEL OVER-ALL



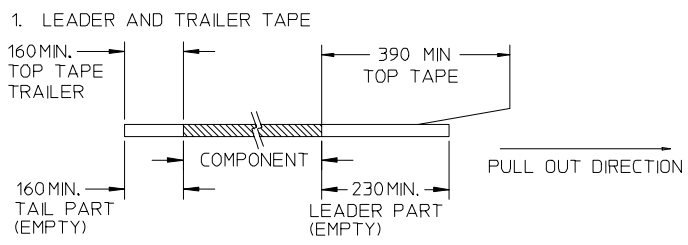
REVISE PDR#S1436			QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
EC NO: S2007-0532			2006/12/06		4 PLACES			DRAWN BY AAB		DATE 1998/05/15		TITLE 2MM DUAL ROW, FFC VERTICAL RECEPTACLE			
DRWN:KFLIM			2006/12/07		3 PLACES			CHECKED BY MJM		DATE 1998/05/15					
CHKD:M-LONG			2006/12/07		2 PLACES			APPROVED BY WAZ		DATE 1998/05/15		MOLEX INCORPORATED		SHEET NO.	
APPR:SKTOH					1 PLACE			MATERIAL NO.		DOCUMENT NO.				1 OF 4	
					ANGULAR ±1/2°			SEE TABLE		SDA-79108-****					
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							

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)																																																																										
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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.																																																																																	
<table><tr><td rowspan="5">REVISE PDR#S1436 EC NO: S2007-0532 DRWN:KFLM 2006/12/06 CHKD:M.LONG 2006/12/07 APPR:SKTOH 2006/12/07 E2</td><td rowspan="5">DESCRIPTION REV</td><td rowspan="5">QUALITY SYMBOLS =0 =0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td></td><td>mm</td><td>INCH</td><td>DRAWN BY AAB</td><td>DATE 1998/05/15</td><td colspan="4" rowspan="2">TITLE 2MM DUAL ROW, FFC VERTICAL RECEPTACLE</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY MJM</td><td>DATE 1998/05/15</td></tr><tr><td>3 PLACES</td><td>± 0.10</td><td>± ---</td><td colspan="2" rowspan="2">APPROVED BY WAZ</td><td>DATE 1998/05/15</td><td colspan="4" rowspan="2">MOLEX INCORPORATED</td></tr><tr><td>2 PLACES</td><td>± 0.15</td><td>± ---</td><td></td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td colspan="2">ANGULAR ±1/2°</td><td>MATERIAL NO.</td><td>DOCUMENT NO.</td><td colspan="3">SHEET NO.</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE TABLE</td><td colspan="4">SDA-79108-****</td><td colspan="2">3 OF 4</td></tr><tr><td colspan="3"></td><td colspan="2"></td><td colspan="7">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>										REVISE PDR#S1436 EC NO: S2007-0532 DRWN:KFLM 2006/12/06 CHKD:M.LONG 2006/12/07 APPR:SKTOH 2006/12/07 E2	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 1998/05/15	TITLE 2MM DUAL ROW, FFC VERTICAL RECEPTACLE				4 PLACES	± ---	± ---	CHECKED BY MJM	DATE 1998/05/15	3 PLACES	± 0.10	± ---	APPROVED BY WAZ		DATE 1998/05/15	MOLEX INCORPORATED				2 PLACES	± 0.15	± ---		1 PLACE	± ---	± ---	ANGULAR ±1/2°		MATERIAL NO.	DOCUMENT NO.	SHEET NO.			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SDA-79108-****				3 OF 4							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
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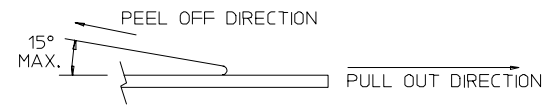
ASSEMBLY P/N PACKED IN T&R	CKT SIZE	PLATING OPTION	DIM A	DIM B	(F)	(Bo)	(W)
79108-6001	16	5	14.00	16.19	11.50	16.60	24.00



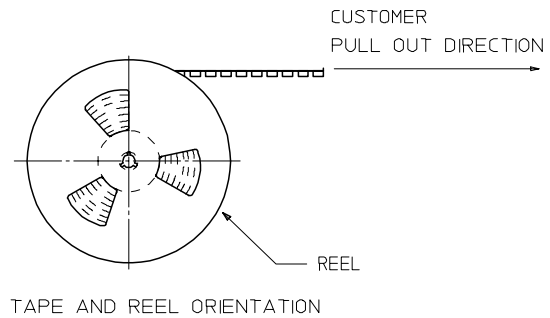
NOTES:



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



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