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Part Number: [0791081001](#)
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, 4 Circuits, Leadfree

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

[Product Specification PS-79107 \(PDF\)](#)
[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) 4
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

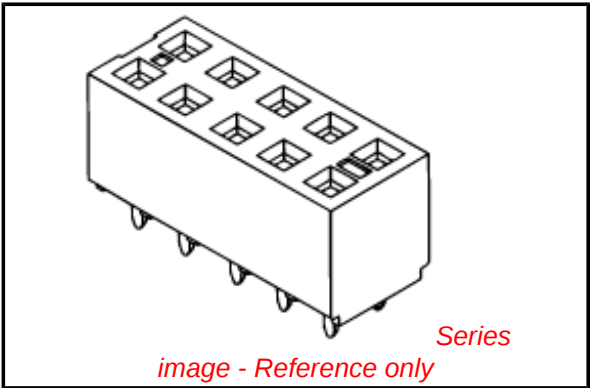


image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

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

Lead-free Process Capability

Wave Capable (TH only)

Material Info

Reference - Drawing Numbers

Product Specification

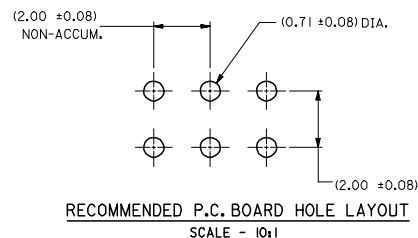
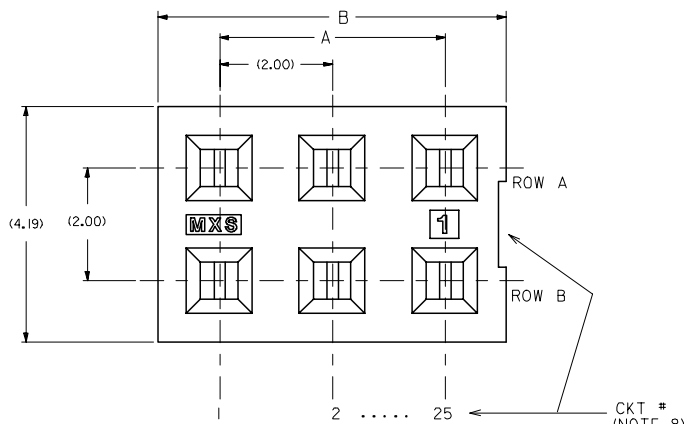
PS-79107

Sales Drawing

SDA-79108-****

This document was generated on 05/20/2010

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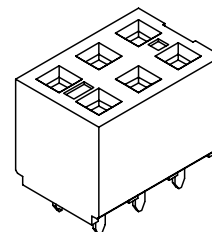
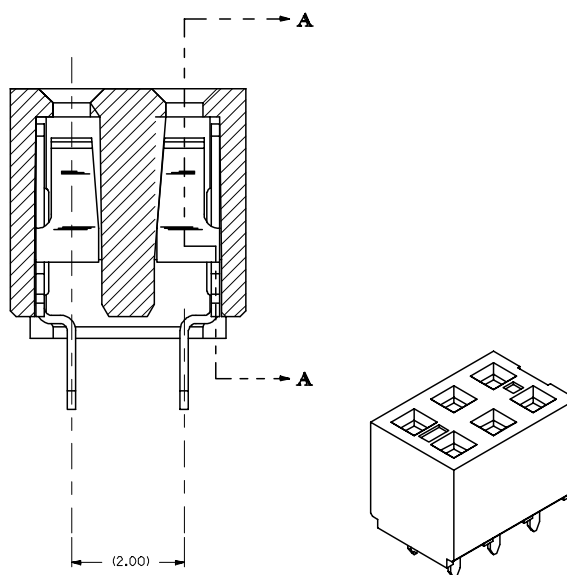
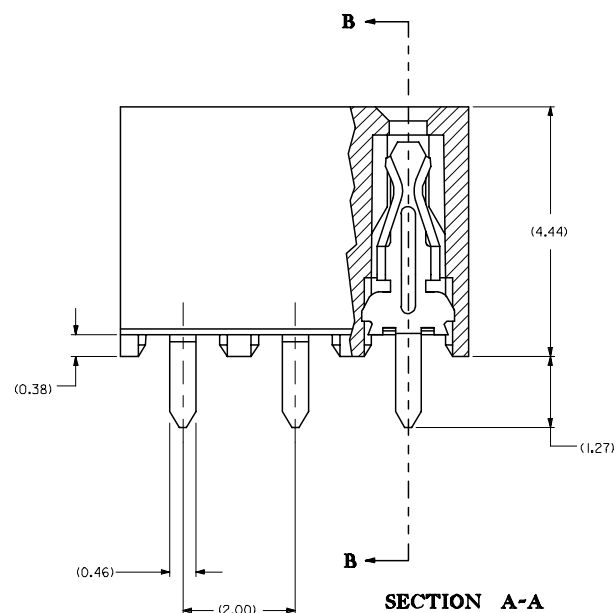


NOTES:

- 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 EC NO: S2007-0532 DRWN:KELIM 2006/12/06 CHKD:M-LONG 2006/12/07 APPR:SKTOH 2006/12/07	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
E2			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-79108-****		SHEET NO. 1 OF 4	

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F

E

D

C

B

A

ib_frame_A3_P_AM_T
Rev. E 2006/04/15

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MOLDED VOID OPTION

CKT. SIZE	ASSEMBLY		VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM. "A"	DIM. "B"
	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)

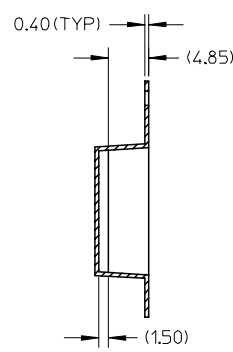
NOTES:

1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS HOWEVER, PIN WINDOWS WILL BE CLOSED.

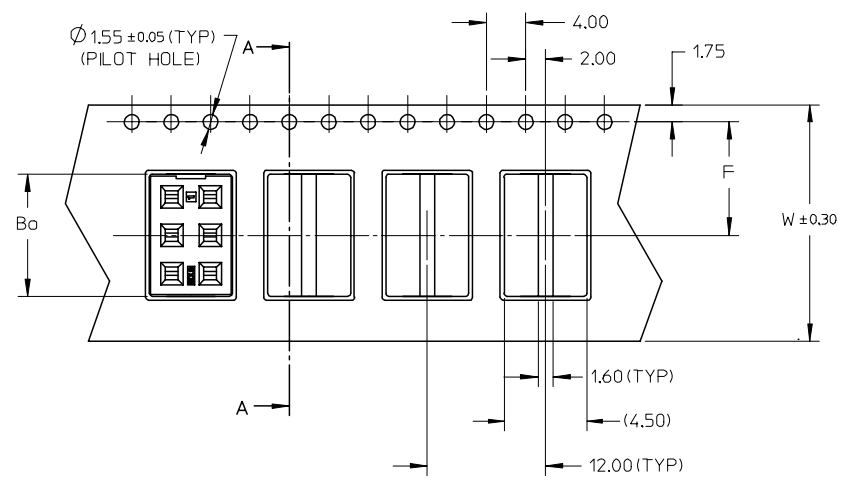
2. VOIDS CAN ONLY BE PRESENT IN ONE ROW OF THE CONNECTOR.

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

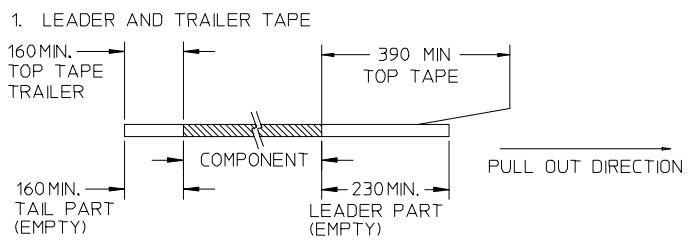
ASSEMBLY P/N PACKED IN T&R	CKT SIZE	PLATING OPTION	DIM A	DIM B	(F)	(Bo)	(W)
79108-6001	16	5	14.00	16.19	11.50	16.60	24.00



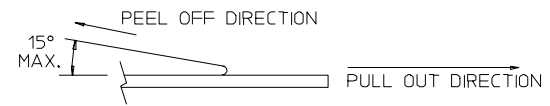
SECTION A-A



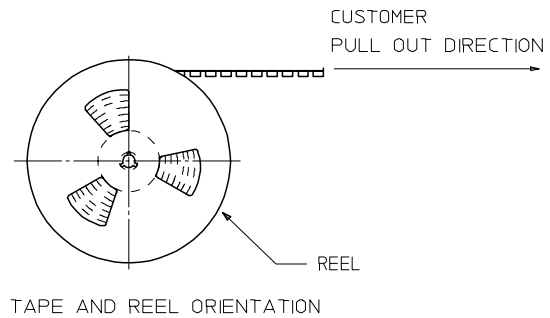
NOTES:



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 DRWN:KFLIM 2006/12/06 CHKD:M LONG 2006/12/07 APPR:SKTOH 2006/12/07	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					DRAWN BY DATE		TITLE 2MM DUAL ROW, FFC VERTICAL RECEPTACLE			
					CHECKED BY DATE					
			4 PLACES ± --- ± ---		MJM 1998/05/15		MOLEX MOLEX INCORPORATED			
			3 PLACES ± 0.10 ± ---		DATE					
			2 PLACES ± 0.15 ± ---		1998/05/15		DOCUMENT NO. SDA-79108-****			
1 PLACE ± --- ± ---		DATE								
ANGULAR ±1/2°		WAZ 1998/05/15		SHEET NO. 4 OF 4						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE								
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								