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Part Number: [0877591276](#)
Status: **Active**
Overview: [Milli-Grid™](#)
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 12 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Pick-and-Place Cap, Tube Packaging, Lead-free

Documents:
[3D Model](#) [Product Specification PS-87761-100 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

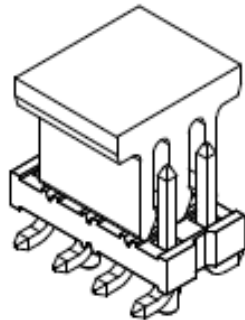
UL E29179

General

Product Family PCB Headers
Series [87759](#)
Application Board-to-Board
Overview [Milli-Grid™](#)
Product Name Milli-Grid™

Physical

Breakaway Yes
Circuits (Loaded) 12
Circuits (maximum) 12
Color - Resin Black
Durability (mating cycles max) 100
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part None
Mated Height (in) 0.150 In
Mated Height (mm) 3.80 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention None
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) 0.38
Polarized to Mating Part No
Polarized to PCB No
Robotic Placement Pick and Place Cap
Shrouded No
Stackable Yes
Temperature Range - Operating -55°C to +105°C



Series

image - Reference only

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.

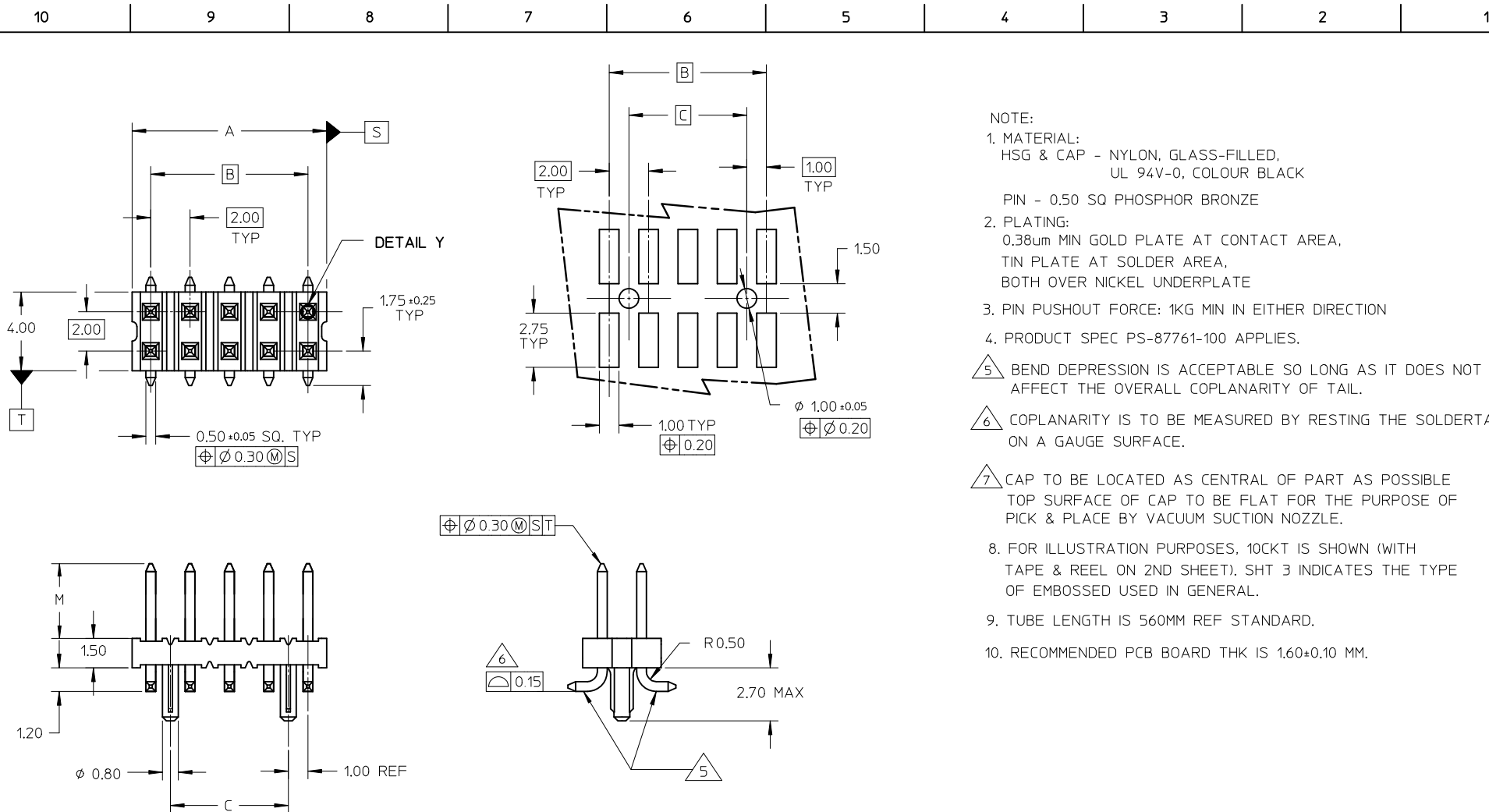
Search Parts in this Series
[87759Series](#)

Mates With
[79107](#) Milli-Grid™ Receptacle, Vertical,
Through Hole. [79108](#) Milli-Grid™ Flex-to-
Board, Vertical Receptacle. Milli-Grid™
Receptacle, Surface Mount. [79109](#). [87381](#)

Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	2A
Voltage - Maximum	125V
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-87761-100
Sales Drawing	SD-87759-208

This document was generated on 04/21/2010

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NOTE:

1. MATERIAL:
HSG & CAP - NYLON, GLASS-FILLED,
UL 94V-0, COLOUR BLACK

PIN - 0.50 SQ PHOSPHOR BRONZE

2. PLATING:
0.38um MIN GOLD PLATE AT CONTACT AREA,
TIN PLATE AT SOLDER AREA,
BOTH OVER NICKEL UNDERPLATE

3. PIN PUSHOUT FORCE: 1KG MIN IN EITHER DIRECTION

4. PRODUCT SPEC PS-87761-100 APPLIES.

5. BEND DEPRESSION IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL.

6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE.

7. CAP TO BE LOCATED AS CENTRAL OF PART AS POSSIBLE
TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF
PICK & PLACE BY VACUUM SUCTION NOZZLE.

8. FOR ILLUSTRATION PURPOSES, 10CKT IS SHOWN (WITH
TAPE & REEL ON 2ND SHEET). SHT 3 INDICATES THE TYPE
OF EMBOSSED USED IN GENERAL.

9. TUBE LENGTH IS 560MM REF STANDARD.

10. RECOMMENDED PCB BOARD THK IS 1.60±0.10 MM.

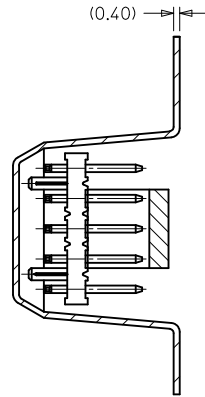
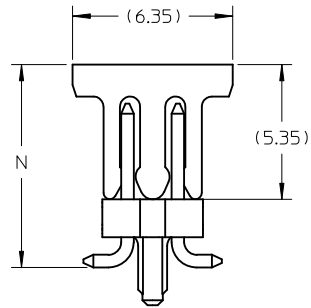
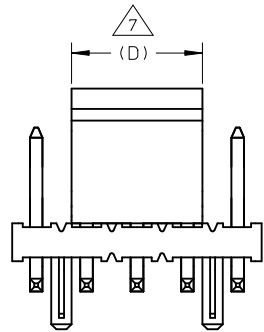
DETAIL Y

CHG DIM M. EWR#1191 EC NO: S2010-0237 DRWN:ATSEE 2009/12/16 CHKD:SKANG 2009/12/17 APPR:MLONG 2009/12/21	DESCRIPTION	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY KSEE	DATE 2003/12/22	TITLE CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT			
			4 PLACES	± ---	± ---	CHECKED BY KCLING	DATE 2004/01/12				
			3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2009/12/17				
			2 PLACES	± 0.2	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87759-208		SHEET NO. 1 OF 4	
			1 PLACE	± ---	± ---						
ANGULAR ± 3 °		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					

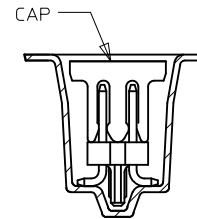
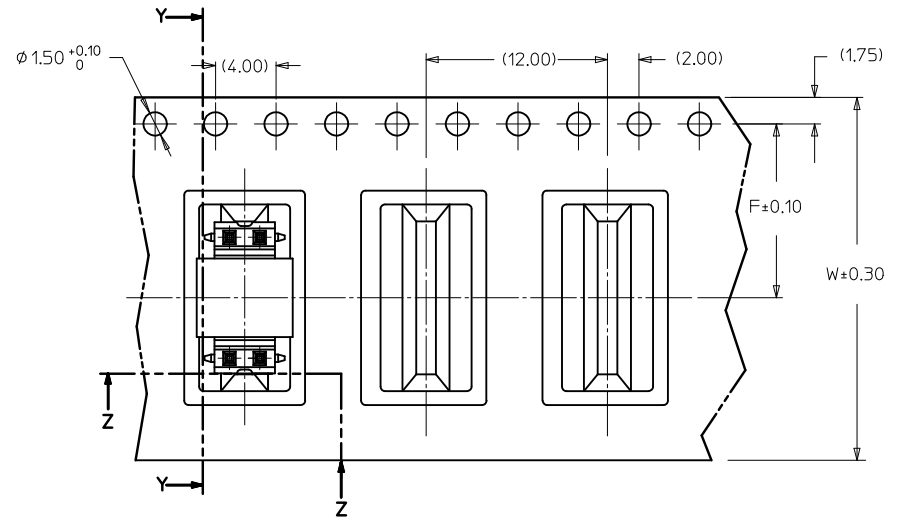
CAP TYPE	D
C1	5.20
C2	4.60

EMBOSSED TYPE "A"

PART WITH CAP IN TAPE & REEL ORIENTATION

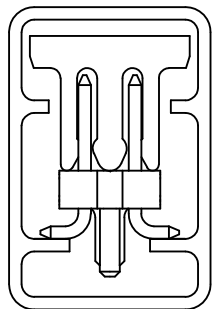
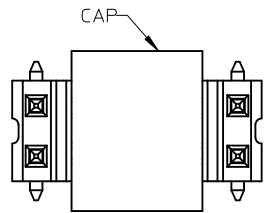


SECTION Y-Y



SECTION Z-Z

CUSTOMER PULL OUT
DIRECTION

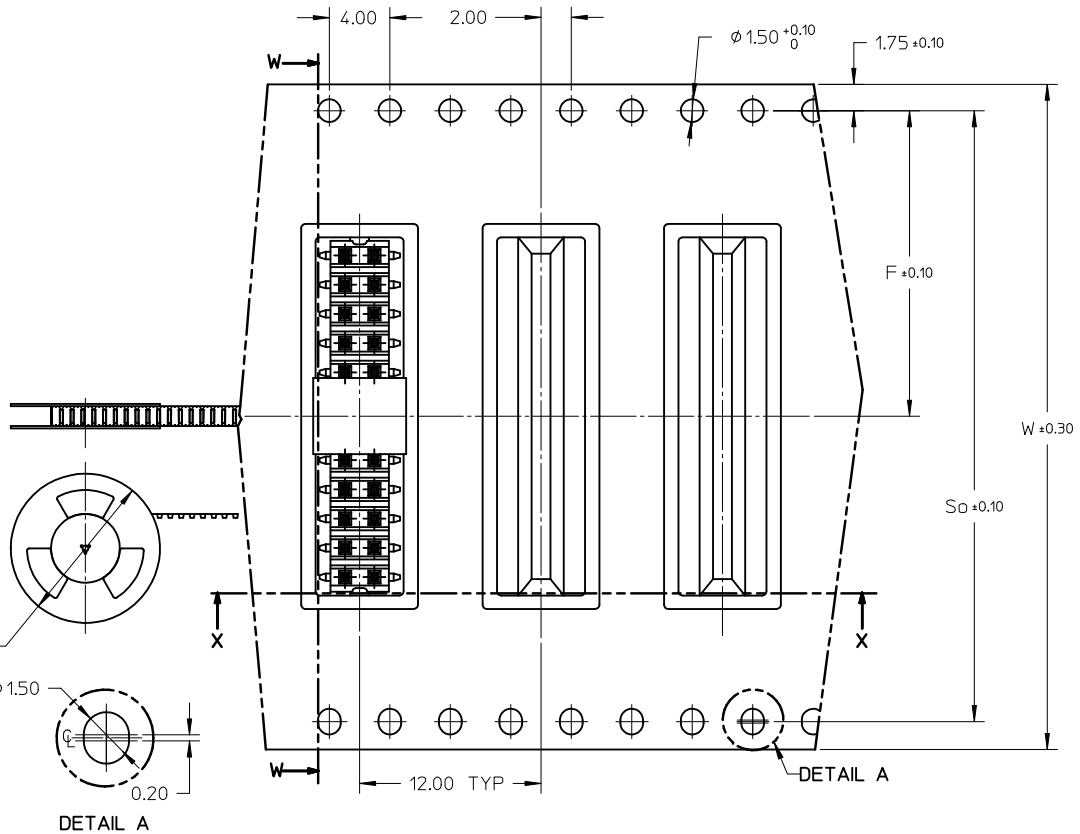
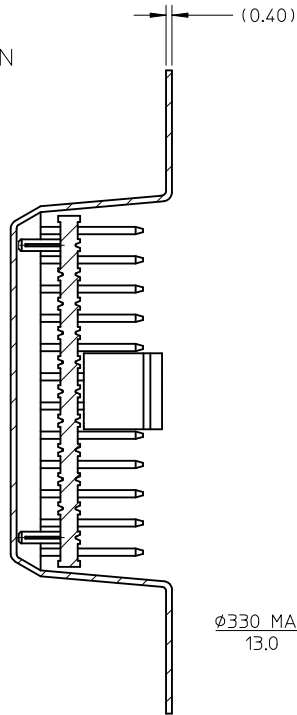


PART WITH CAP IN
TUBE ORIENTATION

CHG DIM M. EWR#1191 EC NO: S2010-0237 2009/12/16 DRWN:ATSEE 2009/12/17 CHKD:SKANG 2009/12/21 APPR:MLONG	DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY KSEE	DATE 2003/12/22	TITLE CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT				
					CHECKED BY KCL ING	DATE 2004/01/12					
					APPROVED BY MLONG	DATE 2009/12/17	MOLEX INCORPORATED				
			ANGULAR ± 3 °		MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87759-208		2 OF 4		
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

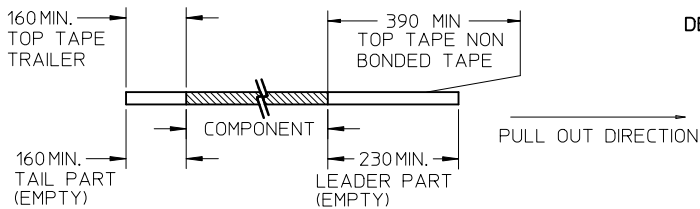
EMBOSSED TYPE "B"

PART WITH CAP IN
TAPE & REEL ORIENTATION

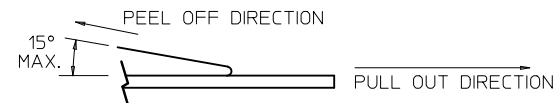


NOTES:

1. LEADER AND TRAILER TAPE



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



3. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.

4. TAPE AND REEL QUANTITY : 500 PCS/ REEL.

5. THE TAPE IS TREATED FOR ANTI-STATIC.

CHG DIM M. EWR#1191	EC NO: S2010-0237	2009/12/16	2009/12/17	2009/12/21
DRW:ATSEE	CHKD:SKANG	APPR:MLONG		
REV	DESCRIPTION			
D3				

QUALITY SYMBOLS
$F_A=0$
$F_B=0$
$F_P=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
KSEE	2003/12/22
CHECKED BY	DATE
KCLING	2004/01/12
APPROVED BY	DATE
MLONG	2009/12/17
MATERIAL NO.	
SEE TABLE	
SIZE	A3

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	
TITLE		
CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-87759-208		3 OF 4

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Rev. F 2009/06/18