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Part Number: [0877594466](#)
Status: **Active**
Overview: [milligrd](#)
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 34 Circuits, 0.76µm (30µ") 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 [milligrd](#)
Product Name Milli-Grid™

Physical

Breakaway Yes
Circuits (Loaded) 44
Circuits (maximum) 44
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 High Temperature Thermoplastic
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) 30
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 74.8
Plating min: Termination (µm) 1.90
Polarized to Mating Part No
Polarized to PCB No
Robotic Placement Pick and Place Cap
Shrouded No

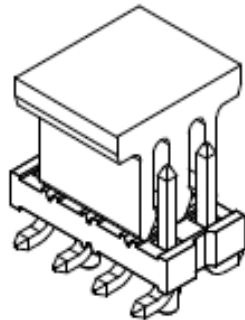


image - Reference only

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
[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](#)

Stackable	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	2A
Voltage - Maximum	125V

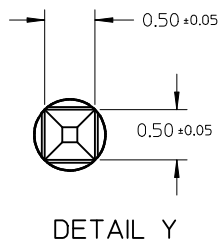
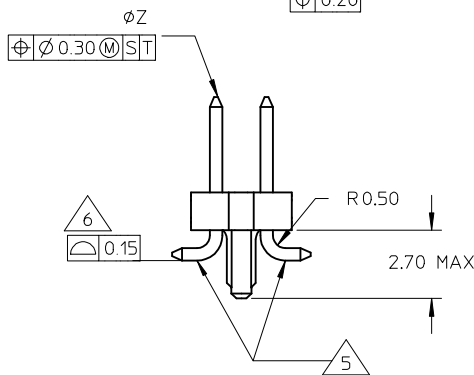
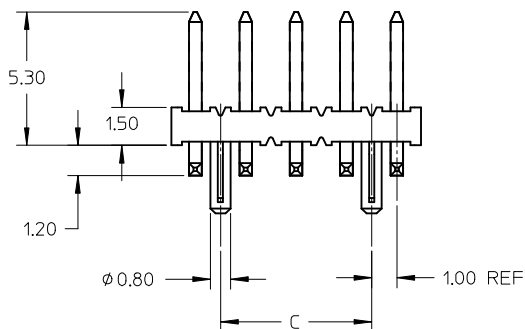
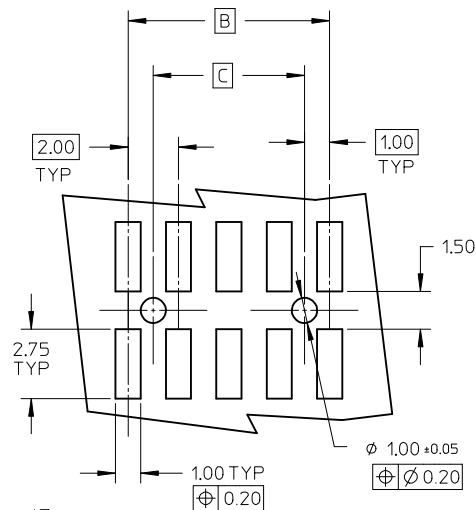
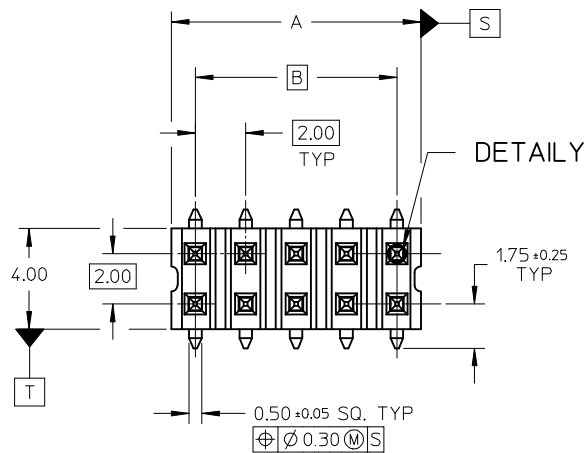
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-89990-476
Product Specification	PS-87761-100
Sales Drawing	SD-87759-207

This document was generated on 05/25/2010

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NOTE:

1. MATERIAL:
HSG & CAP - HIGH TEMPERATURE THERMOPLASTIC,
UL 94V-0, COLOUR BLACK

PIN - 0.50 SQ PHOSPHOR BRONZE

2. PLATING:
0.76um 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.

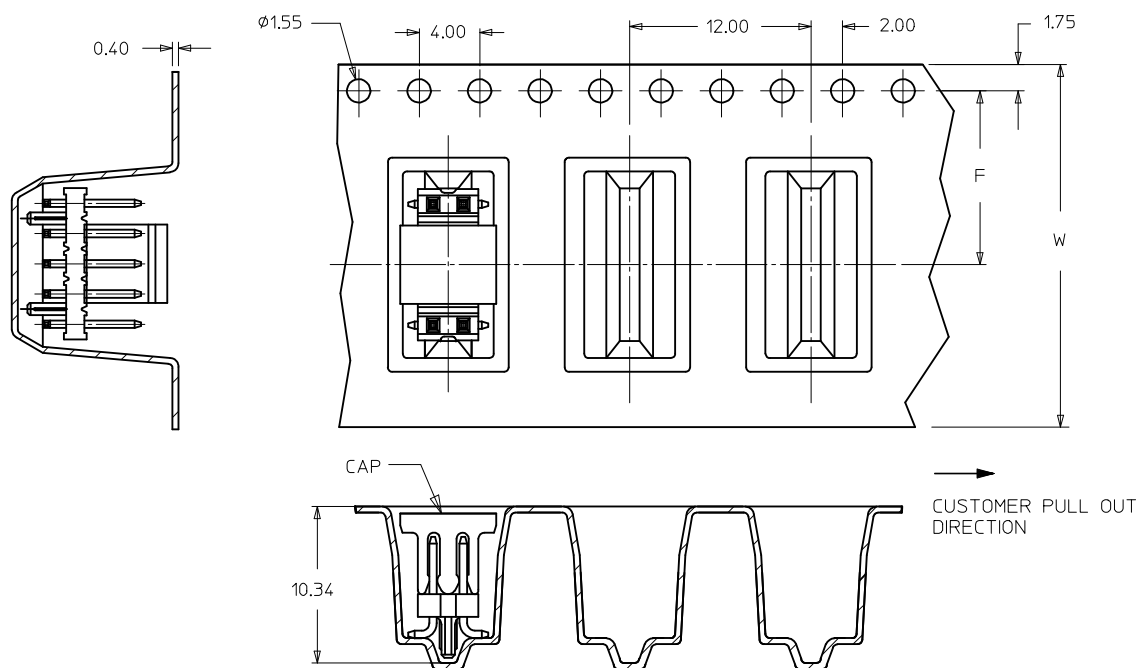
8. FOR ILLUSTRATION PURPOSES, 10CKT IS SHOWN (WITH TAPE & REEL ON 2ND SHEET). SHT 3 INDICATES THE TYPE OF EMBOSSED USED IN GENERAL.

9. TUBE LENGTH IS 560MM REF STANDARD.

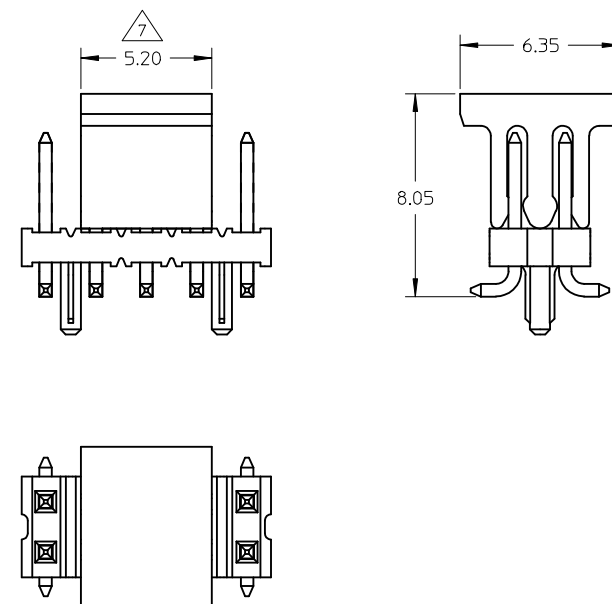
10. RECOMMENDED PCB BOARD THK IS 1.60+0.10 MM.

CORRECT P/N'S/ TYPO ERROR		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: S2009-0867		DESCRIPTION		mm		MM ONLY		NTS		METRIC			
2009/05/28		DRAWN/ATSEE		4 PLACES		DRAWN BY		DATE		TITLE			
2009/05/29		CHKD:SKANG		3 PLACES		CHECKED BY		DATE		SALES DRAWING			
2009/06/01		APPR:MLONG		2 PLACES		APPROVED BY		DATE		MGRID 2MM DUAL ROW SMT			
				1 PLACE		SKTOH		2004/01/12		HDR WITH PEG			
						MATERIAL NO.		DOCUMENT NO.		MOLEX INCORPORATED			
						SIZE		SEE TABLE		SD-87759-207			
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

PART IN TAPE AND REEL ORIENTATION

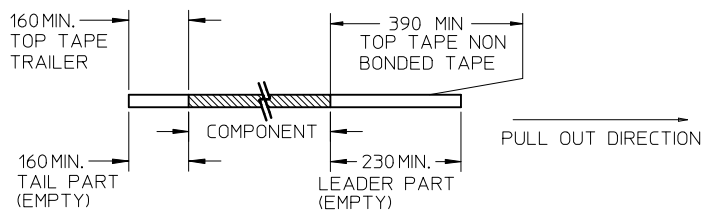


PART WITH CAP

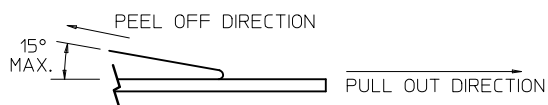


NOTES:

1. LEADER AND TRAILER TAPE



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



- TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
- TAPE AND REEL QUANTITY : 500 PCS/ REEL.
- THE TAPE IS TREATED FOR ANTI-STATIC.

CORRECT P/N'S/ TYPO ERROR EC NO: S2009-0867 2009/05/28 DRW:ATSEE 2009/05/29 CHKD:SKANG 2009/06/01 APPR:MLONG B1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY DATE		TITLE SALES DRAWING MGRID 2MM DUAL ROW SMT HDR WITH PEG				
					CHECKED BY DATE						
					APPROVED BY DATE						
			ANGULAR ± 3 °		SKT0H 2004/01/12		DOCUMENT NO.		MOLEX INCORPORATED		SHEET NO. 2 OF 4
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3		SEE TABLE SD-87759-207 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

F

E

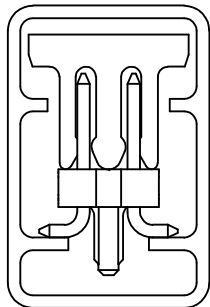
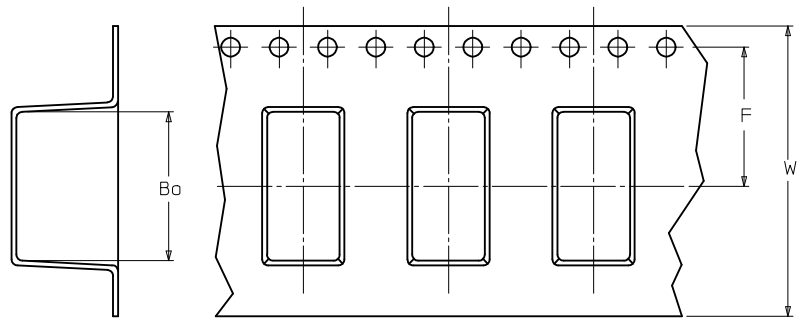
D

C

B

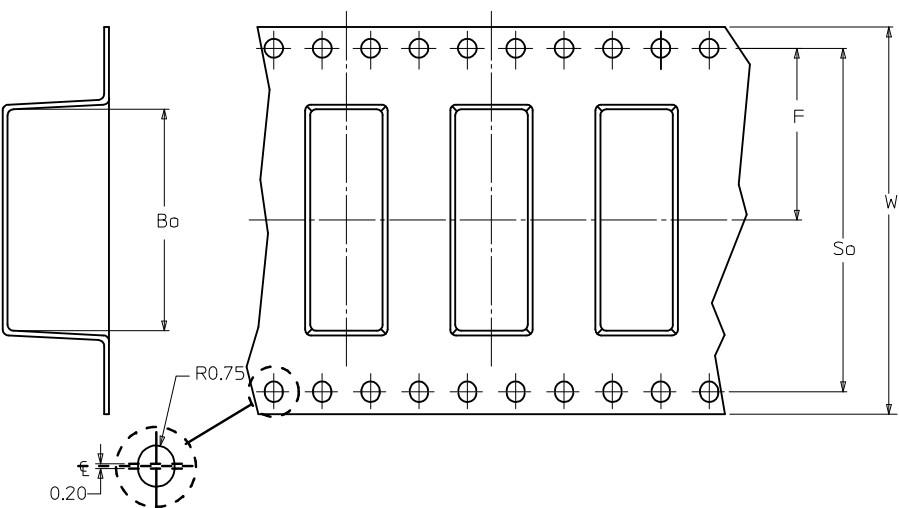
A

EMBOSSED CARRIER TAPE TYPE "A"



PART WITH CAP IN
TUBE ORIENTATION

EMBOSSED CARRIER TAPE TYPE "B"



F

E

D

C

B

A

CORRECT P/NS' TYPO ERROR EC NO: S2009-0867 2009/05/28 DRWNATSEE CHKD:SKANG 2009/05/29 APPR:MLONG 2009/06/01	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY KSEE	DATE 2003/12/19	TITLE SALES DRAWING	
		4 PLACES	± ---	± ---		CHECKED BY KCL ING	DATE 2004/01/12	MGRID 2MM DUAL ROW SMT	
		3 PLACES	± ---	± ---		APPROVED BY SKT0H	DATE 2004/01/12	HDR WITH PEG	
B1	DESCRIPTION REV	2 PLACES	± 0.2	± ---		MATERIAL NO.		MOLEX INCORPORATED	
		1 PLACE	± ---	± ---		SEE TABLE		SD-87759-207	
		ANGULAR ± 3 °		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		SHEET NO. 3 OF 4	

	10	9	8		7		6		5	4	3	2	1	
F	PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE AND REEL.	CKT SIZE	A	B	C	Bo	F	So	W	EMBOSSED TYPE			
	87759-0866	87759-6526	08	7.90	6.00	4.00	8.50	11.50	-	24.00	A			
	87759-1066	87759-6527	10	9.90	8.00	6.00	10.50	11.50	-	24.00	A			
	87759-1266	87759-6528	12	11.90	10.00	8.00	12.50	11.50	-	24.00	A			
	87759-1466	87759-6529	14	13.90	12.00	10.00	14.50	11.50	-	24.00	A			
	87759-1666	87759-6530	16	15.90	14.00	12.00	16.50	14.20	28.40	32.00	B			
	87759-1866	87759-6531	18	17.90	16.00	14.00	18.50	14.20	28.40	32.00	B			
E	87759-2066	87759-6532	20	19.90	18.00	16.00	20.50	20.20	40.40	44.00	B			
	87759-2266	87759-6533	22	21.90	20.00	18.00	22.50	20.20	40.40	44.00	B			
	87759-2466	87759-6534	24	23.90	22.00	20.00	24.50	20.20	40.40	44.00	B			
	87759-2666	87759-6535	26	25.90	24.00	22.00	26.50	20.20	40.40	44.00	B			
	87759-2866	87759-6536	28	27.90	26.00	24.00	28.50	20.20	40.40	44.00	B			
D	87759-3066	87759-6537	30	29.90	28.00	26.00	30.50	20.20	40.40	44.00	B			
	87759-3266	87759-6538	32	31.90	30.00	28.00	32.50	26.20	52.40	56.00	B			
	87759-3466	87759-6539	34	33.90	32.00	30.00	34.50	26.20	52.40	56.00	B			
	87759-3666	87759-6540	36	35.90	34.00	32.00	36.50	26.20	52.40	56.00	B			
	87759-3866	87759-6541	38	37.90	36.00	34.00	38.50	26.20	52.40	56.00	B			
	87759-4066	87759-6542	40	39.90	38.00	36.00	40.50	26.20	52.40	56.00	B			
C	87759-4266	87759-6543	42	41.90	40.00	38.00	42.50	26.20	52.40	56.00	B			
	87759-4466	87759-6544	44	43.90	42.00	40.00	44.50	26.20	52.40	56.00	B			
	87759-4666	87759-6545	46	45.90	44.00	42.00	50.50	34.20	68.40	72.00	B			
	87759-4866	87759-6546	48	47.90	46.00	44.00	50.50	34.20	68.40	72.00	B			
	87759-5066	87759-6547	50	49.90	48.00	46.00	50.50	34.20	68.40	72.00	B			
B														
A														