

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877596533

Status:

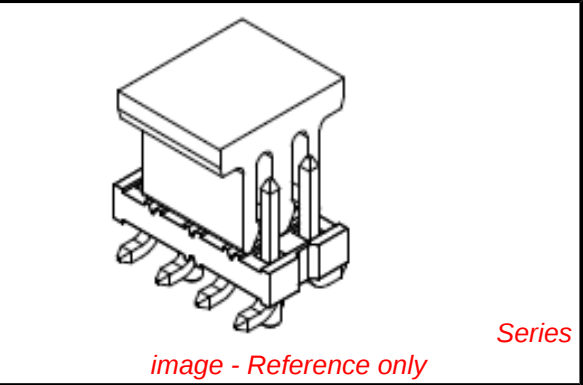
Active

Overview:

milligrid

Description:

2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 22 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Pick-and-Place Cap, Tape on Reel 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	milligrid
Product Name	Milli-Grid™
Physical	
Breakaway	Yes
Circuits (Loaded)	22
Circuits (maximum)	22
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	Embossed Tape on Reel
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
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

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

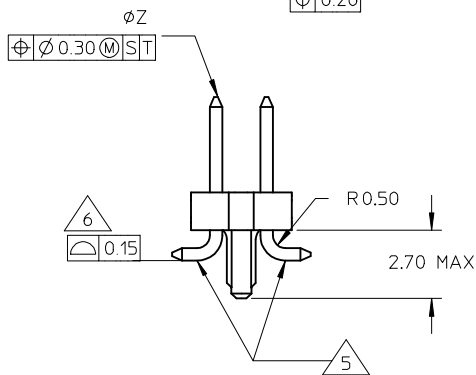
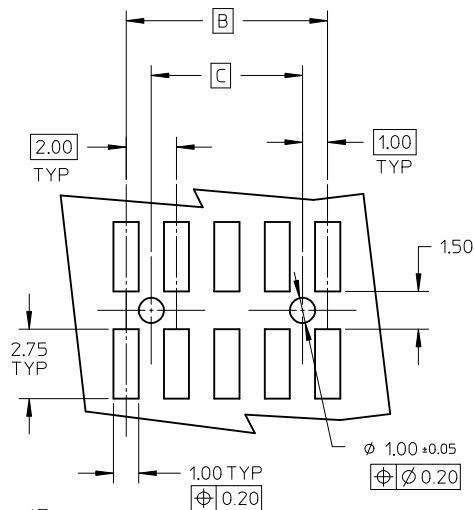
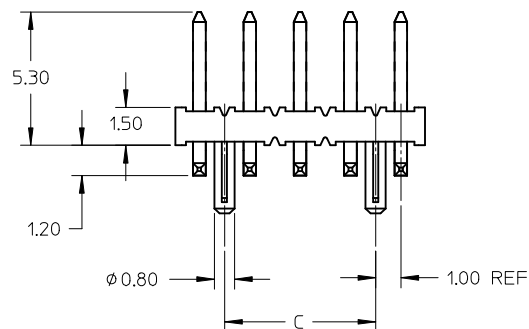
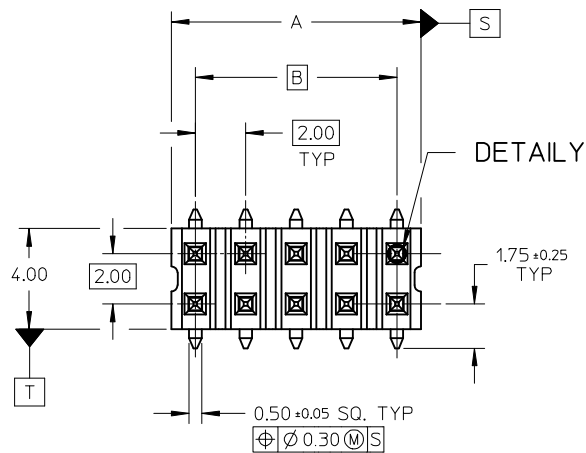
Mates With

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-87759-207

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.

REV	DESCRIPTION	DATE	BY	APPR
B1	EC NO: S2009-0867 DRWNATSEE CHKD:SKANG APPR:MLONG	2009/05/28 2009/05/29 2009/06/01		

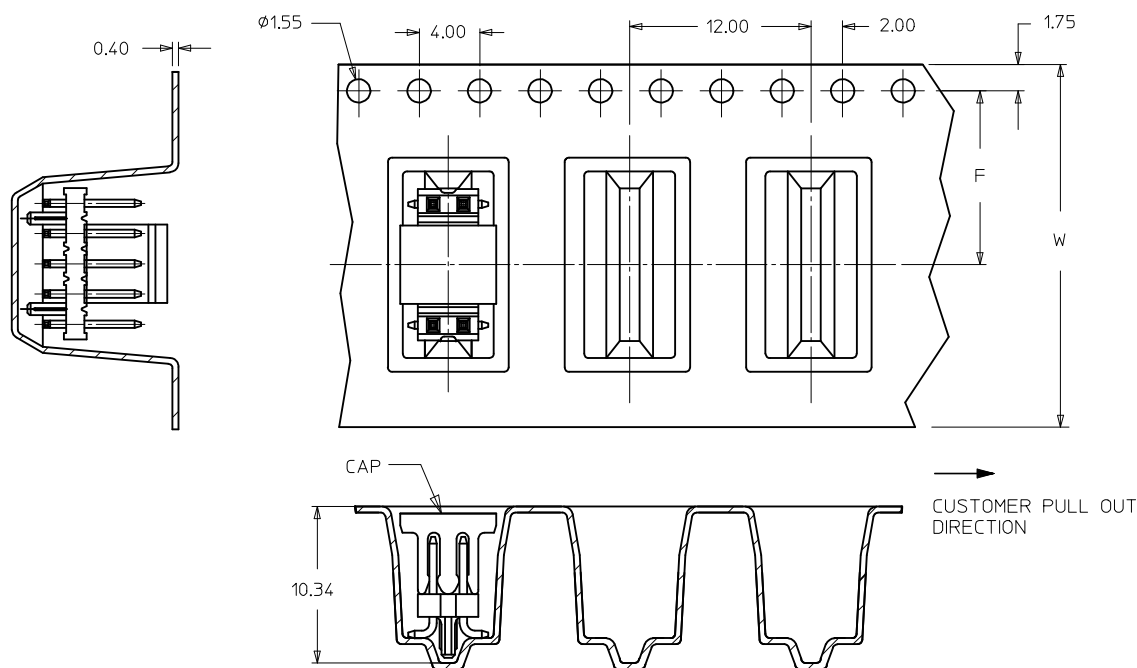
QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.2
3 PLACES	± 0.3
2 PLACES	± 0.4
1 PLACE	± 0.5
ANGULAR ± 3 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

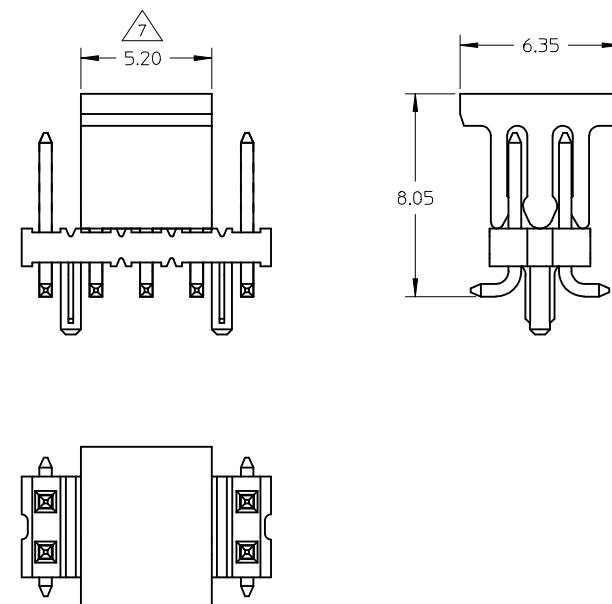
DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
KSEE	2003/12/19
CHECKED BY	DATE
KCLING	2004/01/12
APPROVED BY	DATE
SKTOH	2004/01/12
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	
SALES DRAWING MGRID 2MM DUAL ROW SMT HDR WITH PEG		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-87759-207		1 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

PART IN TAPE AND REEL ORIENTATION

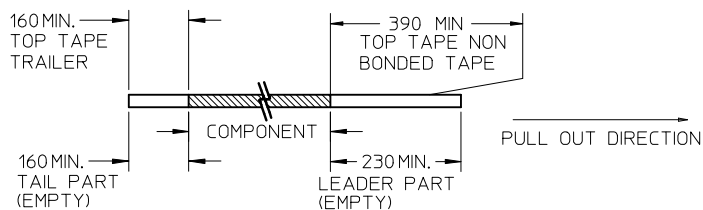


PART WITH CAP

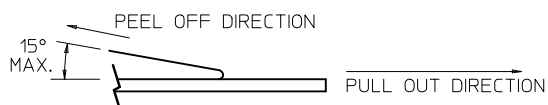


NOTES:

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			
				mm	INCH	DRAWN BY KSEE	DATE 2003/12/19	TITLE SALES DRAWING MGRID 2MM DUAL ROW SMT HDR WITH PEG				
			4 PLACES	± ---	± ---	CHECKED BY KCL ING	DATE 2004/01/12					
			3 PLACES	± ---	± ---							
			2 PLACES	± 0.2	± ---	APPROVED BY SKTOH	DATE 2004/01/12	DOCUMENT NO. MOLEX INCORPORATED				
		ANGULAR ± 3 °		MATERIAL NO.		SHEET NO. 2 OF 4						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			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

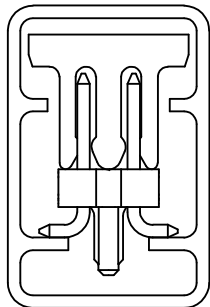
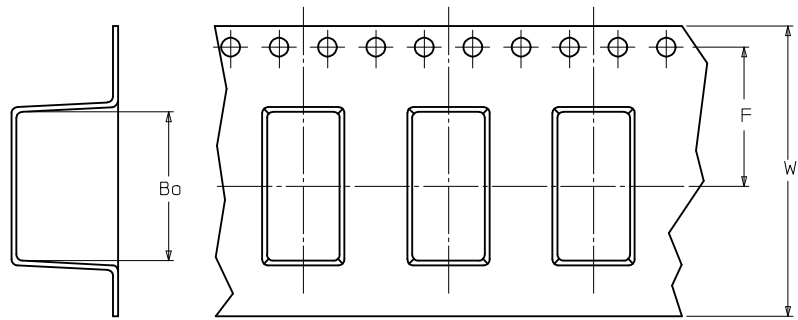
D

C

B

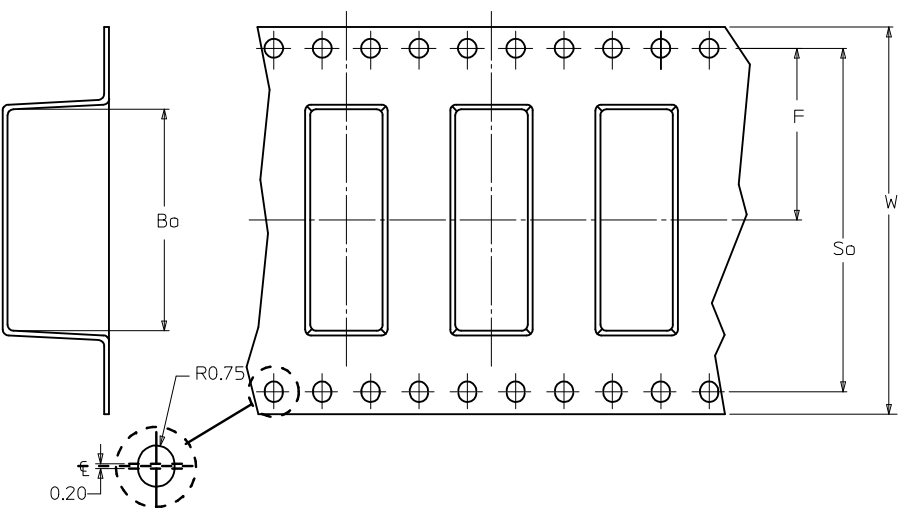
A

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 DRWN:ATSEE CHKD:SKANG 2009/05/29 APPR:MLONG 2009/06/01	DESCRIPTION	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 MGRID 2MM DUAL ROW SMT HDR WITH PEG					
			4 PLACES	± ---	± ---	CHECKED BY KCLING	DATE 2004/01/12						
			3 PLACES	± ---	± ---	APPROVED BY SKTOH		DATE 2004/01/12	MOLEX INCORPORATED				
			2 PLACES	± 0.2	± ---								
			1 PLACE	± ---	± ---	DATE 2004/01/12		DOCUMENT NO. SD-87759-207					
			ANGULAR ± 3 °			SHEET NO. 3 OF 4							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE							
B1	REV					SIZE A3	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	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														