

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0878580550

Status:

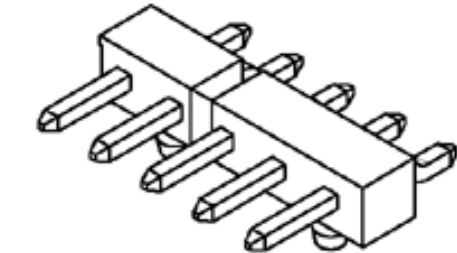
Active

Overview:

milligrd

Description:

2.00mm (.079") Pitch Milli-Grid™ Breakaway Header, Surface Mount, Single Row, Parallel, 2.54µm (100µ") Tin (Sn) Plating, without Peg, withKapton Tape, Mating Pin Length 3.20mm (.126"), 5 Circuits, Lead-free



Series

image - Reference only

Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Specification PS-87761-100 \(PDF\)](#)

General

Product Family	PCB Headers
Series	87858
Application	Wire-to-Board
Overview	milligrd
Product Name	Milli-Grid™

Physical

Breakaway	Yes
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height (in)	0.126 In
Mated Height (mm)	3.20 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Parallel
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.80 mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
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)	100
Plating min: Mating (µm)	2.54
Polarized to Mating Part	No
Polarized to PCB	Yes
Shrouded	No
Stackable	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

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

87858Series

Mates With

2.00 mm (.079") single row receptacles

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

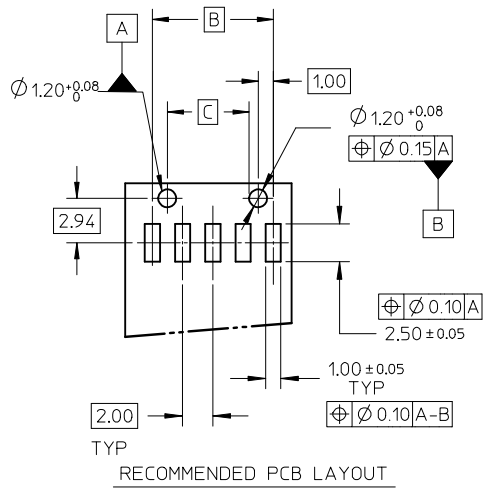
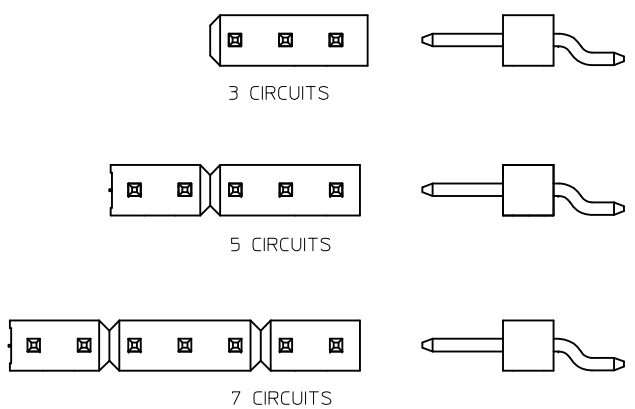
Product Specification	PS-87761-100
Sales Drawing	SD-87858-022

This document was generated on 05/25/2010

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10		9			8		7		6		5		4		3		2		1	
CKT SIZE	DIMENSION									PART NO. IN TAPE & REEL PACKAGING	CKT # SIZE	PART NO. IN TRAY PACKAGING	KAPTON TAPE	PEG	PLATING OPTION	VOID POSITION	DIMENSION			
	A	B	C														F	MATING END	SOLDER TAIL	
																				M
03	5.90	4.00	-							87858-0550	5	-	Y	N	1	----	8.00	3.20	2.80	
05	9.90	8.00	6.00							87858-0750	7	-	Y	N	1	----	8.00	3.20	2.80	
07	13.90	12.00	10.00							87858-0751	7	-	N	Y	1	----	8.00	3.20	2.80	
09	17.90	16.00	14.00							87858-0760	7	-	Y	N	1	----	8.97	4.17	2.80	
11	21.90	20.00	18.00																	
13	25.90	24.00	22.00																	
15	29.90	28.00	26.00																	
17	33.90	32.00	30.00																	
19	37.90	36.00	34.00																	

PART WITHOUT PEG CONFIGURATION

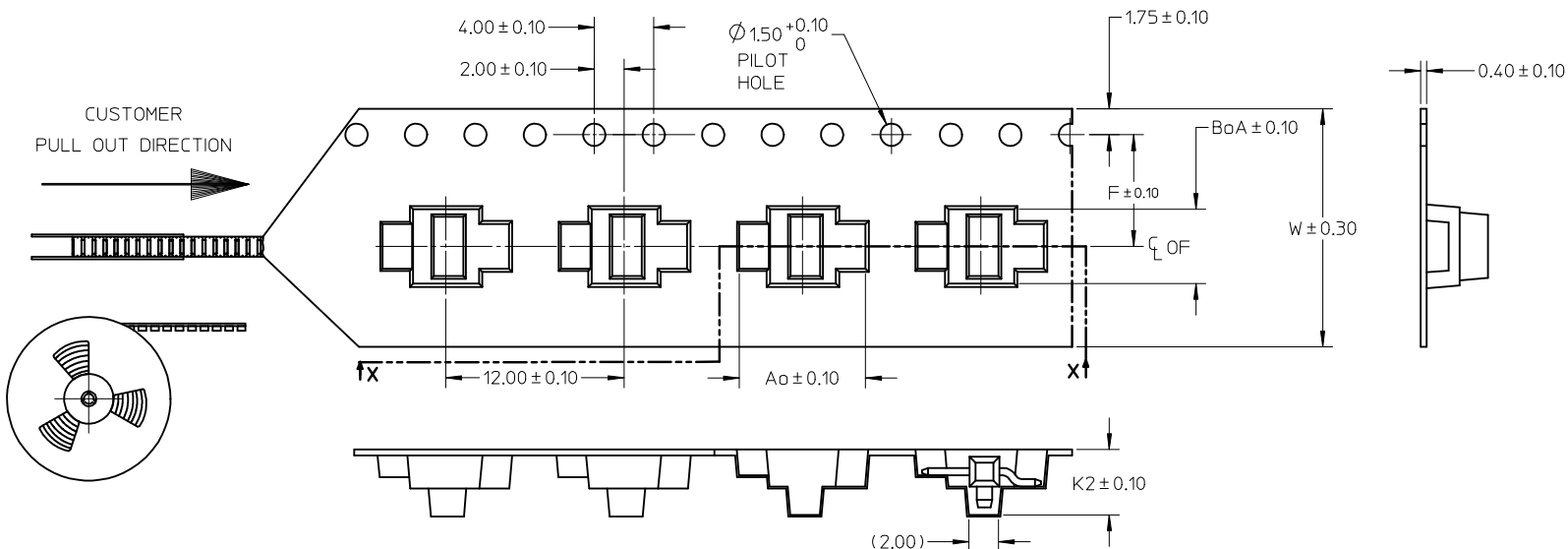


A	EWRHSG MODIFICATION				DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	EC NO: S2009-0295						mm INCH		MM ONLY		NTS	METRIC	◎ □ THIRD ANGLE PROJECTION	
	2009/02/09						DRAWN BY DATE		TITLE		2MM SINGLE ROW HDR (ODD)			
	2009/02/10						CWLAM 2007/12/04		CHECKED BY DATE		SMT WITH PEG, BREAKAWAY			
	2009/02/11						KWLEE 2007/12/17		APPROVED BY DATE		MOLEX INCORPORATED			
	CHYD:SKANG						KWLEE 2007/12/17		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	APPR:MLONG						ANGULAR ± 3 °		SEE TABLE		SD-87858-022		2 OF 3	
	REV						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	C								A3					
	2009/02/09													

10 9 8 7 6 5 4 3 2 1

CKT	DIMENSION					PACKABLE
	BoA	Ao	K2	F	W	QTY
5	11.20	8.50	4.40	11.50	24.00	1200
7	15.20	8.50	4.40	11.50	24.00	1200

TAPE AND REEL INFORMATION

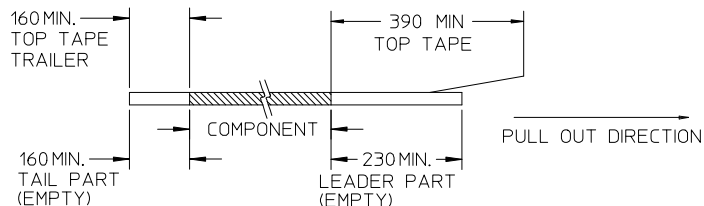


SECTION X-X

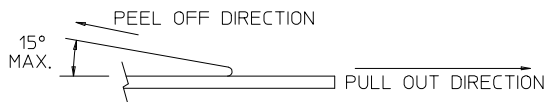
PART IN
TAPE & REEL
ORIENTATION
(FOR REF. ONLY)

NOTES:

1. LEADER AND TRAILER TAPE



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



3. MATERIAL: BLACK P.S CONDUCTIVE

4. PACKAGING STANDARD IS AS PER EIA-481.

5. THE TAPE IS TREATED FOR ANTI-STATIC.

EWRHSG MODIFICATION EC NO: S2009-0295 DRWN:ATSEE 2009/02/09 CHKD:SKANG 2009/02/10 APPR:MLONG 2009/02/11	QUALITY SYMBOLS ▽=0 ◇=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
						MM ONLY		1:1	METRIC		
						DRAWN BY DATE		TITLE 2MM SINGLE ROW HDR (ODD) SMT WITH PEG, BREAKAWAY			
						CWLAM 2007/12/04					
						CHECKED BY DATE		MOLEX MOLEX INCORPORATED			
						KWLEE 2007/12/17					
		APPROVED BY DATE		DOCUMENT NO. SD-87858-022 SHEET NO. 3 OF 3							
		KWLEE 2007/12/17									
		MATERIAL NO.		SEE TABLE							
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									