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Part Number: [0541020164](#)
Status: **Active**
Description: 0.50mm (.020") Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 2.50mm (.098") Stacking Height, Gold Plating with Nickel Barrier, 16 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-54102-010 \(PDF\)](#)
[Product Specification PS-54102-011 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [54102](#)
Application Board-to-Board
Product Name SlimStack™

Physical

Circuits (Loaded) 16
Color - Resin Black
Durability (mating cycles max) 30
Glow-Wire Compliant No
Lock to Mating Part Yes
Mated Height (in) 0.098 In
Mated Height (mm) 2.50 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Gold
Number of Rows 2
Orientation Vertical
PCB Locator No
PCB Retention None
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.020 In
Pitch - Mating Interface (mm) 0.50 mm
Polarized to Mating Part No
Polarized to PCB No
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount

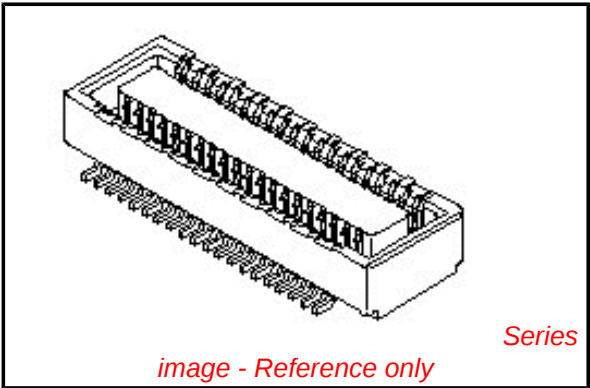
Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 50V

Material Info

Reference - Drawing Numbers

Product Specification PS-54102-010, PS-54102-011, RPS-54102-008, RPS-54102-012, RPS-54102-014, RPS-54102-015, RPS-54102-017
Sales Drawing SD-54102-006, SD-54102-007



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

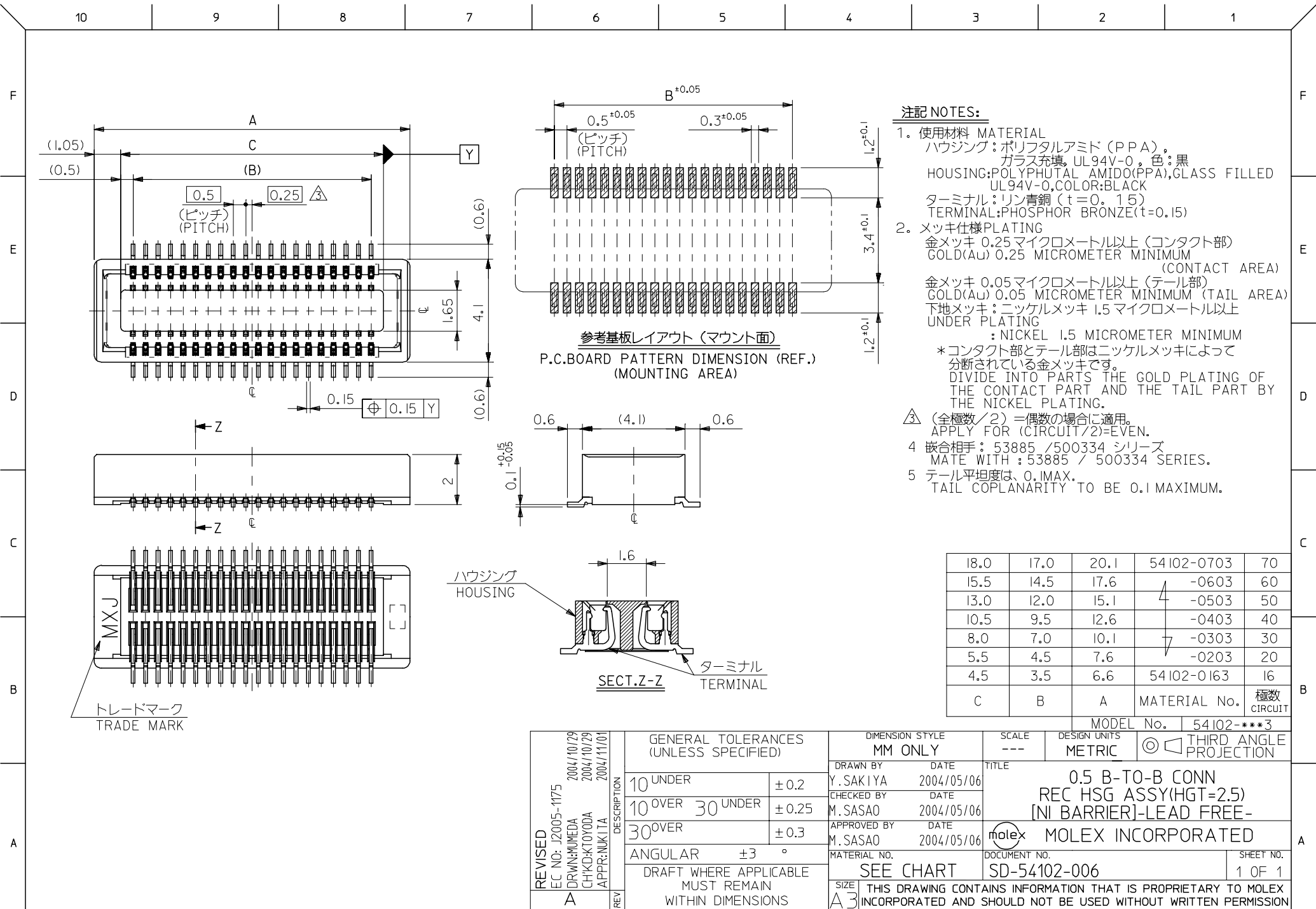
China RoHS

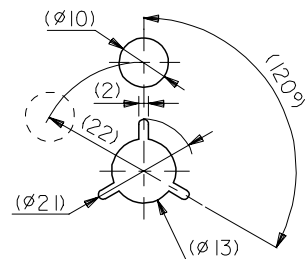
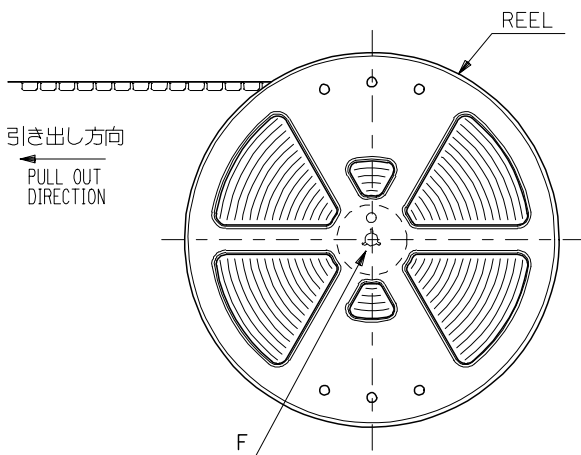


Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

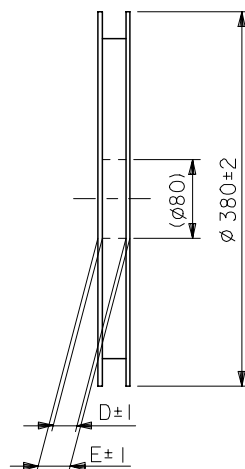
Search Parts in this Series
[54102Series](#)

Mates With
[500334](#) PCB Header



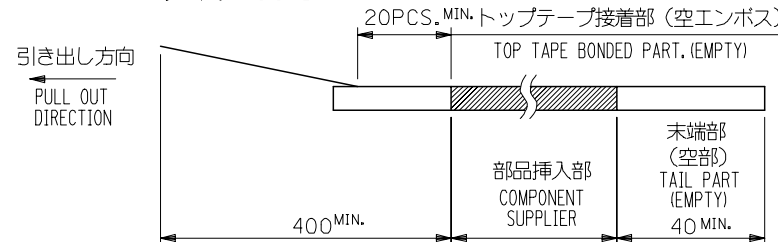


DETAIL F

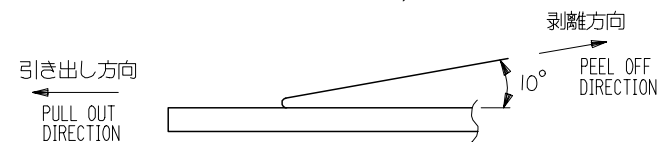


NOTES

- 製品詳細寸法については図面 SD-54102-006 を参照下さい。
RE DETAILED DIMENSION, SEE SD-54102-006.
- 梱包数量：3000個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH

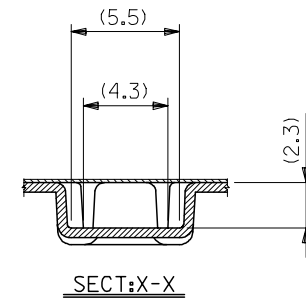


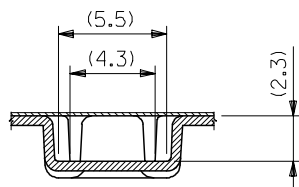
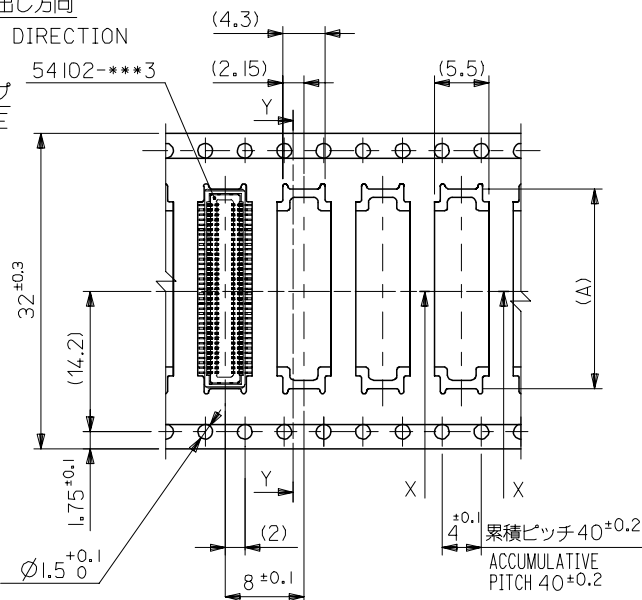
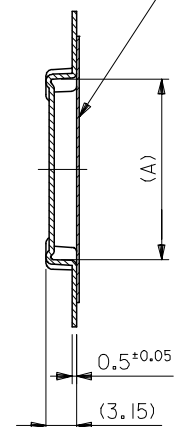
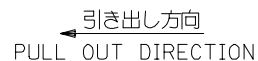
- トップテープの剥離強度：0.1～1.3N {10～130gf}
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1～1.3N {10～130gf}
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



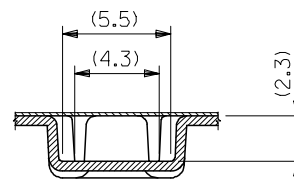
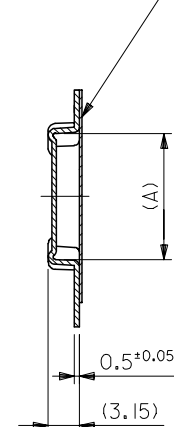
- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)：ポリプロピレン(POLYPROPYLENE)
トップテープ(TOPTAPE)：PET, PE, PEF
リール(REEL)：ポリスチレン (P S) <リサイクル材を含む>
POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>

REVISED EC NO: J2005-1175 DRAWN:MUMEDA 2004/10/29 CHKD:KATOYODA 2004/10/29 APPR:NUKITA 2004/11/01	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY Y. SAKIYA	DATE 2004/05/06	TITLE EMBSTP PKG FOR 0.5 B/B REC HSG ASSY (H=2.5) [NI BARRIER]-LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO	DATE 2004/05/06				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/05/06	 MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					DOCUMENT NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54102-007			1 OF 3
	REV A	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						





32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE



24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

32	37.4	33.4	20.3	54102-0704	70
			17.8	54102-0604	60
24	29.4	25.4	15.3	54102-0504	50
			12.8	54102-0404	40
			10.3	54102-0304	30
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(A)	MATERIAL NO.	極数 CIRCUITS

DESIGN STYLE		SCALE	DESIGN UNITS	MODEL NO.	54102-***4
M ONLY		---	METRIC		THIRD ANGLE PROJECTION

REVISED EC NO: J2005-1175 DRAWN:MUMEDA CHK:KDK TOYODA APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL NO. 54102-007	THIRD ANGLE PROJECTION
		10 UNDER	±0.2	DRAWN BY Y. SAKIYA	DATE 2004/05/06	TITLE EMBSTP PKG FOR 0.5 B/B REC HSG ASSY (H=2.5) [NI BARRIER]-LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO	DATE 2004/05/06				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/05/06	MOLEX MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54102-007		3 OF 3		
	REV A			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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