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Part Number: [0548612070](#)
Status: **Active**
Description: 2.00mm (.079") Pitch HIC/LCD Pin Connector, Vertical, SMT, 20 Circuits, Lead Free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-54861-005 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Other Sockets
Series	54861
Component Type	Socket
Product Name	N/A

Physical

Circuits (Loaded)	20
Color - Resin	Natural
Durability (mating cycles max)	10
Entry Angle	Vertical
Keying to Mating Part	N/A
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

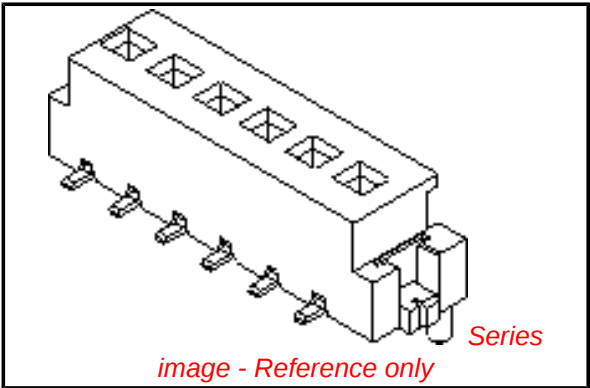
Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	125V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-54861-005, RPS-54861-014
Sales Drawing	SD-54861-006, SD-54861-013



EU RoHS

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

China RoHS



**Need more information on product
environmental compliance?**

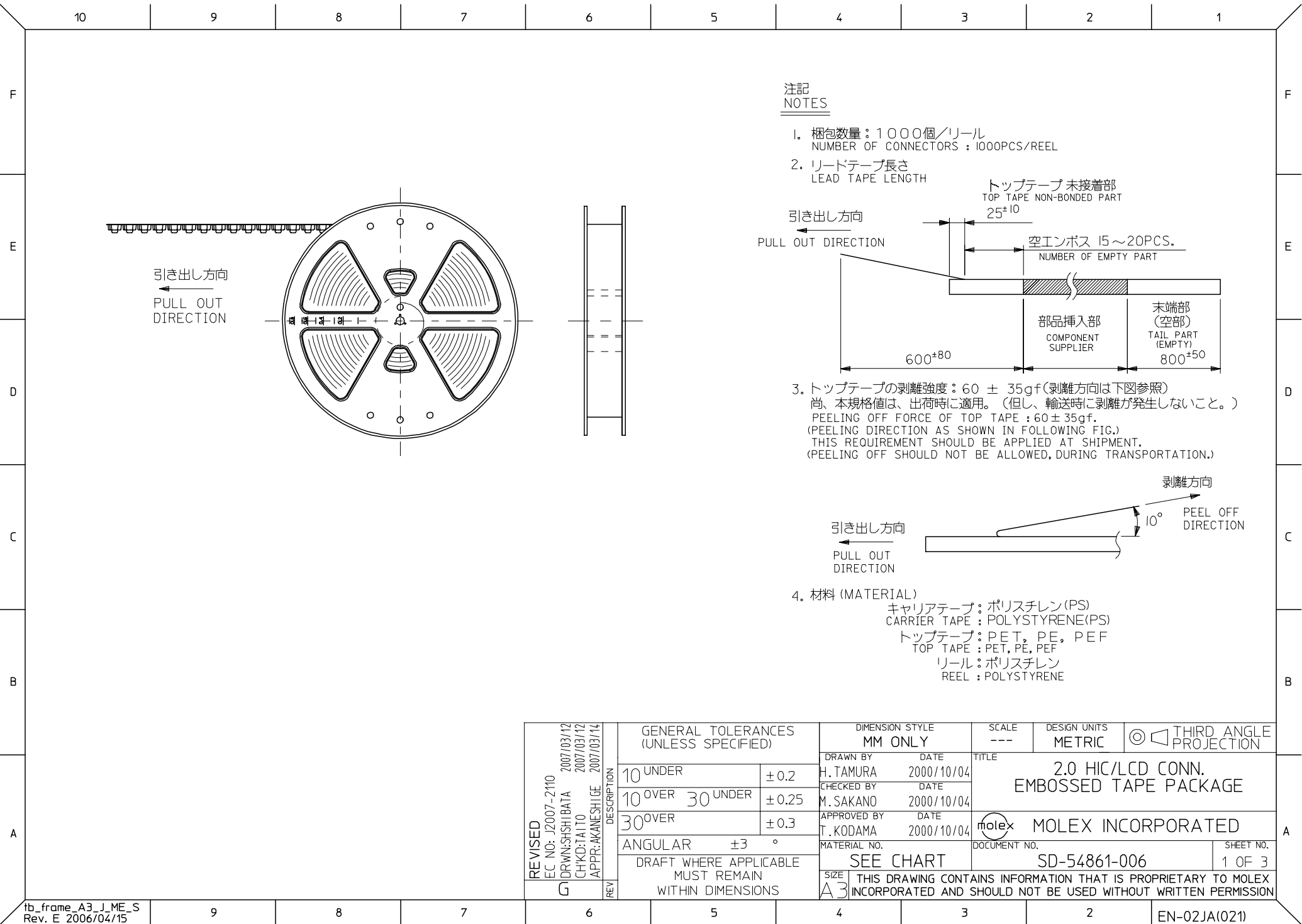
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

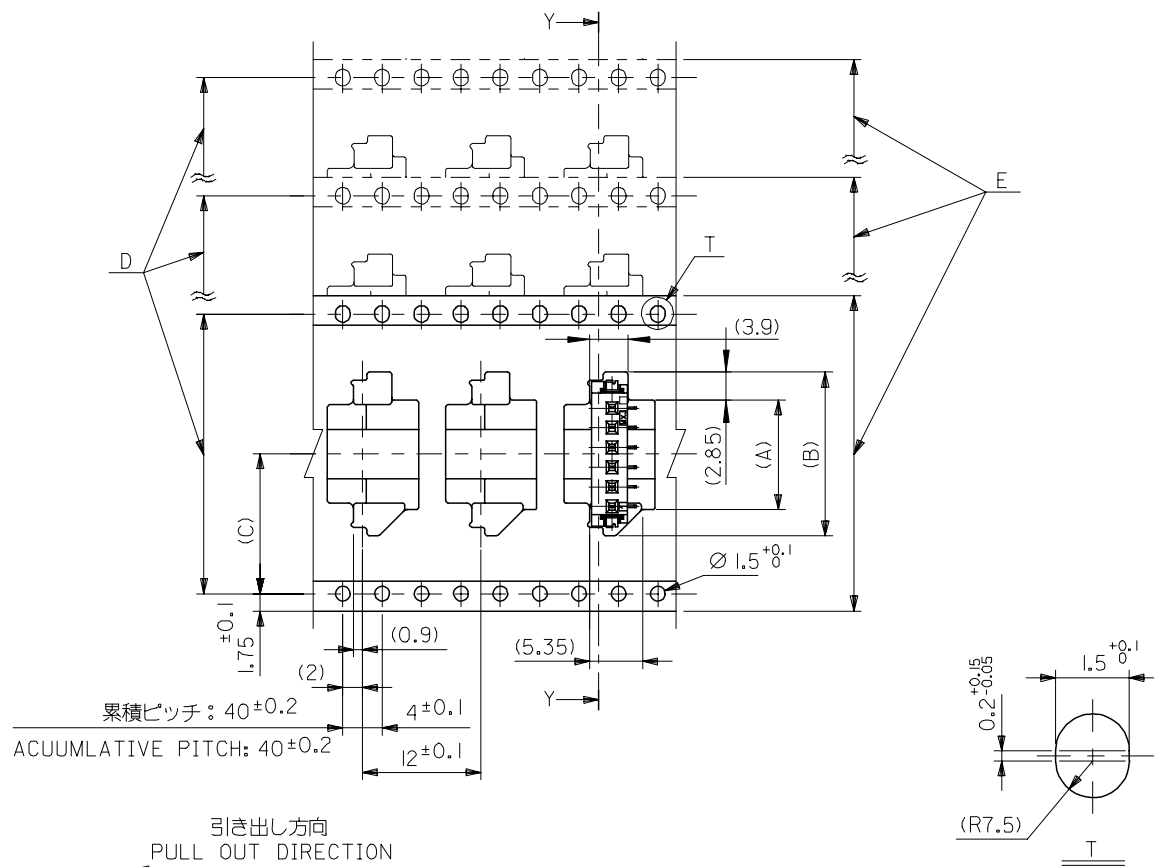
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[54861Series](#)

Mates With
LCD Pin|HIC Pin

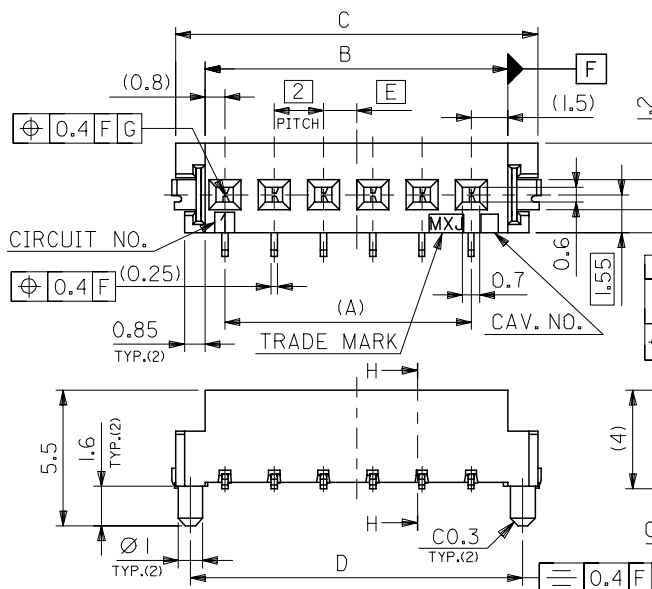
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REVISED	EC NO: J2007-210			DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
	2007/03/12	2007/03/12	2007/03/12		10 UNDER	± 0.2	DRAWN BY H. TAMURA	DATE 2000/10/04	TITLE 2.0 HIC/LCD CONN. EMBOSSSED TAPE PACKAGE			
	DRWNSHSHIBATA	CHKD:TAITO	APPR:AKANEHIGE		10 OVER 30 UNDER	± 0.25	CHECKED BY M. SAKANO	DATE 2000/10/04				
					30 OVER	± 0.3	APPROVED BY T. KODAMA	DATE 2000/10/04	 MOLEX INCORPORATED			
					ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54861-006		2 OF 3	
G	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



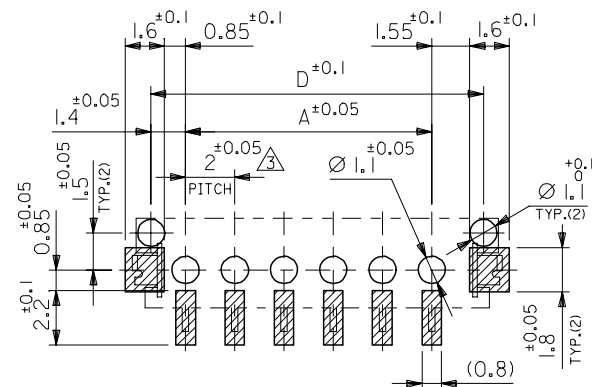
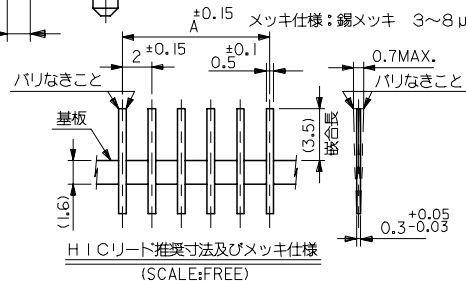
HOUSING
PA9T G.F.30%
白 (ナチュラル)

TERMINAL
りん青銅、錫メッキ
t=0.25

FITTING NAIL
りん青銅、錫メッキ
t=0.2

H-H
(SCALE:10-1)

メッキ仕様: 銅メッキ 3~8μm



参考基板レイアウト (マウント面)
P.C.B. PATTERN LAYOUT(REF.)
(MOUNT AREA)

1.35	41.5	42.7	40.3	38	54861-2019	20
0.35	39.5	40.7	38.3	36	54861-1919	19
1.35	37.5	38.7	36.3	34	54861-1819	18
0.35	35.5	36.7	34.3	32	54861-1719	17
1.35	33.5	34.7	32.3	30	54861-1619	16
0.35	31.5	32.7	30.3	28	54861-1519	15
1.35	29.5	30.7	28.3	26	54861-1419	14
0.35	27.5	28.7	26.3	24	54861-1319	13
1.35	25.5	26.7	24.3	22	54861-1219	12
0.35	23.5	24.7	22.3	20	54861-1119	11
1.35	21.5	22.7	20.3	18	54861-1019	10
0.35	19.5	20.7	18.3	16	54861-0919	9
1.35	17.5	18.7	16.3	14	54861-0819	8
0.35	15.5	16.7	14.3	12	54861-0719	7
1.35	13.5	14.7	12.3	10	54861-0619	6
E	D	C	B	A	MATERIAL NO.	CKT.

MODEL NO. 54861-**-19

RELEASED EC NO: J2006-3834 DRW:SHISHIBATA CHKD:TAITO APPR:AKANESHIGE REV 0	DESCRIPTION 2006/06/20 2006/06/20 2006/06/23	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY SHISHIBATA	DATE 2006/6/20	TITLE 2.0 HIC/LCD CONN. HOUSING ASSY -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY TAITO	DATE 2006/6/20					
		30 OVER	±0.3	APPROVED BY AKANESHIGE	DATE 2006/6/20	MOLEX INCORPORATED				
		ANGULAR	±3 °	MATERIAL NO.	DOCUMENT NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54861-013		1 OF 1		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

注記
NOTES

1. 嵌合相手: HICリード、LCDリード (0.3X0.5)
MATE WITH :HIC LEAD, LCD LEAD(0.3X0.5)
2. LCDリードの反りは0.05MAX.
CAMBER OF LCD LEAD 0.05MAX.
3. 公差非累積のこと。
NON-ACCUMULATIVE.
4. 水平面上に置いて各ソルダテールと各フィッティングネイル間で維持すること。
TO MAINTAIN AT EVERY SOLDER TAIL AND FITTING NAIL.
5. リフロー後のソルダテールとフィッティングネイルの平坦度は 0.15 MAX. とする。
TAIL AND NAIL COPLANARITY AFTER REFLOW TO BE 0.15 MAX.