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Part Number: 0525840279

Status: Active

Description: 1.00mm (.039") Pitch Receptacle, Dual Row Surface Mount, Vertical Stacking, 8.00, 9.00, 10.00, and 18.00mm (.315, .354, .394 and .709") Stacking Heights, 20 Circuits, Lead-free

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-52584-002 \(PDF\)](#)
[Product Specification PS-52584-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series 52584
Application Board-to-Board
Product Name SlimStack™

Physical

Circuits (Loaded) 20
Color - Resin Natural
Durability (mating cycles max) 50
Flammability 94V-0
Glow-Wire Compliant No
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) 0.039 In
Pitch - Mating Interface (mm) 1.00 mm
Plating min: Mating (µin) 10
Plating min: Mating (µm) 0.25
Plating min: Termination (µin) 80
Plating min: Termination (µm) 2
Polarized to PCB No
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -55°C to +85°C
Termination Interface: Style Surface Mount

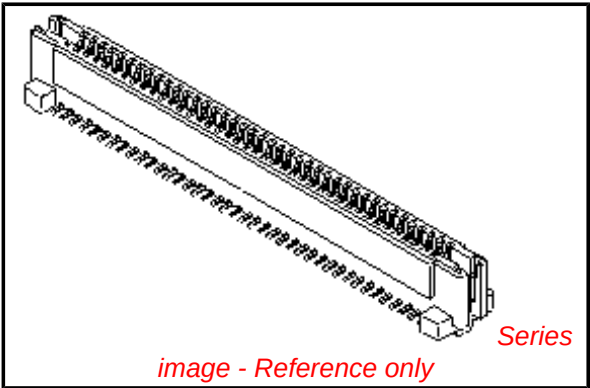
Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 100V

Material Info

Reference - Drawing Numbers

Product Specification PS-52584-002, PS-52584-003, RPS-52584-010
Sales Drawing SD-52584-007, SD-52584-008, SD-52584-009



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No
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
52584Series

Mates With
53395 , 53408

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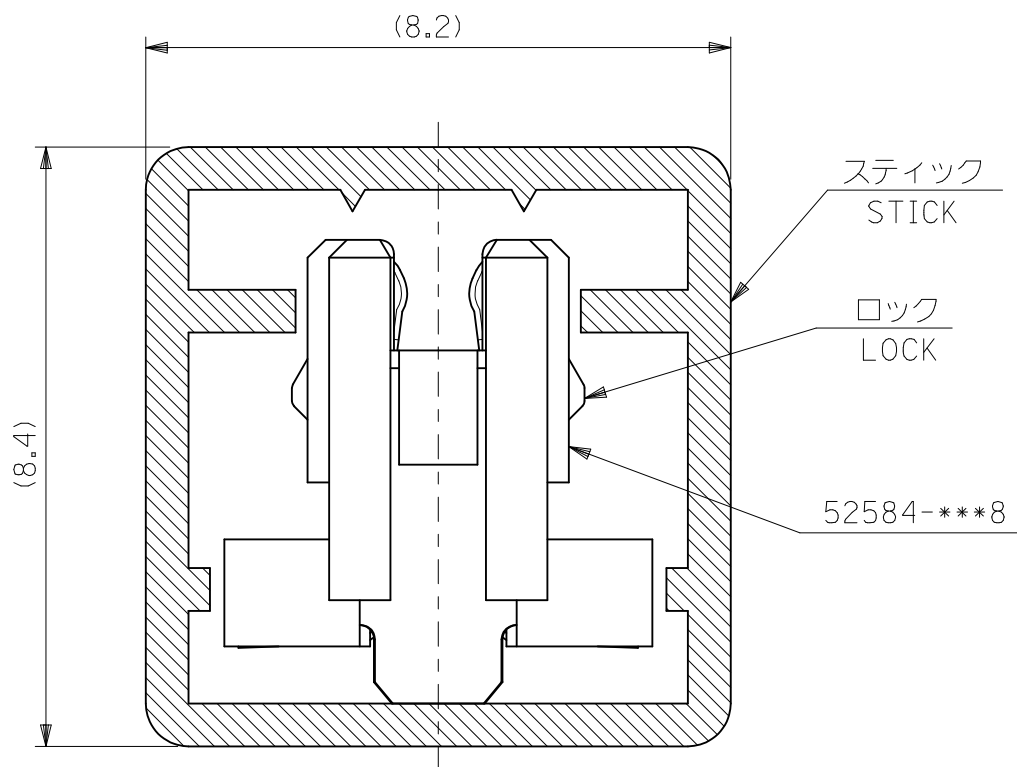
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注記
NOTES

- スティック両端はキャップ止め。
BOTH ENDS WITH CAPS.
- 全 長: 600 ± 2
TOTAL LENGTH
- 肉 厚: 0.6 ± 0.2
THICKNESS
- ロックは、20, 34, 50極に設置。
LOCK TO BE ADDED TO 20, 34
AND 50 CKTS.
- 本製品は52584-***9の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52584-***9.



7	52584-1479	140
8	52584-1279	120
10	52584-1079	100
12	52584-0879	80
14	52584-6679	66
15	52584-0679	60
18	52584-0579	50
24	52584-3479	34

52584-***79	35	52584-0279	20
MODEL No.	梱包数 QUANTITY	MATERIAL No.	極数 NO. OF CKTS.

MATERIAL

スティック: ポリ塩化ビニル
STICK: P.V.CREVISED
EC NO: J2010-1409
DRWN:RTSURUOKA 2010/01/13
CHKD:THARUYAMA 2010/01/14
APPR:HHIRATA 2010/01/14
A

GENERAL TOLERANCES (UNLESS SPECIFIED)		
10 UNDER		± 0.2
10 OVER 30 UNDER		± 0.25
30 OVER		± 0.3
ANGULAR	± 3	$^{\circ}$
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE
MM ONLYSCALE
---DESIGN UNITS
METRICTHIRD ANGLE
PROJECTIONDRAWN BY
HKAWABATA
DATE
'04/03/22
CHECKED BY
KTOJO
DATE
'04/03/22
APPROVED BY
MSASAO
DATE
'04/03/22TITLE
52584-***8
STICK PACKAGING
-LEAD FREE-
molex MOLEX INCORPORATED
DOCUMENT NO.
SD-52584-008
SHEET NO.
1 OF 1SEE TABLE
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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EN-02CA(021)

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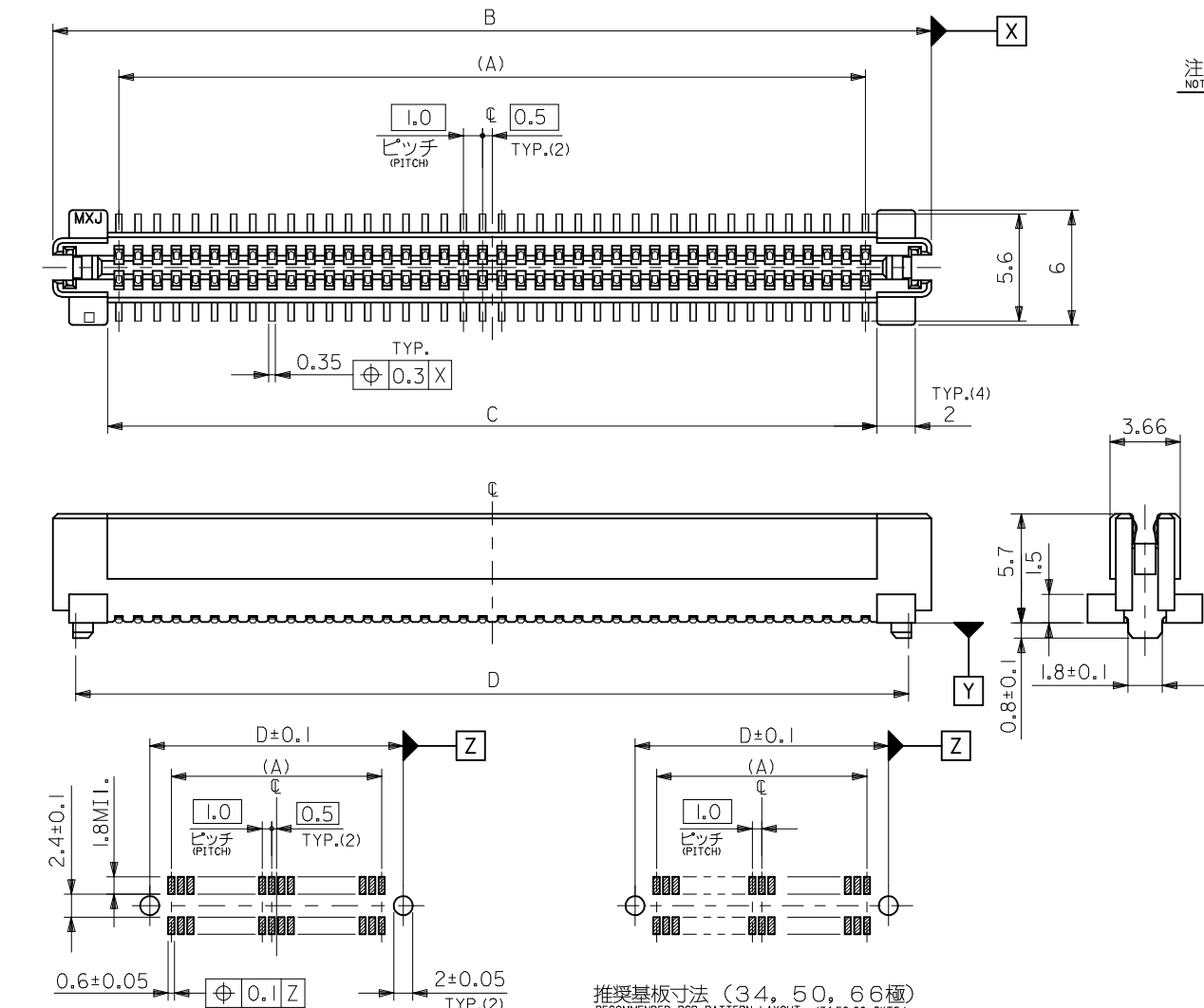
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注)
NOTES

1. 材質
MATERIAL
ハウジング: ガラス入り LCP、白色、UL 94V-0
HOUSING: G.F.LCP, WHITE, UL 94V-0
ターミナル: 燐青銅 (t = 0.2)
TERMINAL: PHOSPHOR BRONZE
 2. メッキ仕様
PLATING
接点部: 金メッキ 0.25 μm MIN.
CONTACT AREA: GOLD 0.25 μm MIN.
半田付け部: 半田メッキ 1.0 μm MIN.
SOLDER TAIL AREA: TIN-LEAD 1.0 μm MIN.
下地メッキ: ニッケルメッキ 2.0 μm MIN.
UNDER-PLATING: NICKEL 2.0 μm MIN.
 3. 推奨基板厚
RECOMMENDED PCB THICKNESS
1.0 ± 0.1 mm MIN.
 4. テールのバラツキ寸法
TAIL COPLANARITY
テールは、Y 面を基準とし、上へ 0.02 下へ 0.15 の範囲にあり、且つテール平坦度は 0.15 とする。
TAILS TO BE WITHIN 0.02 UPWARD AND 0.15 DOWNWARD FROM Y-DATUM PLANE, AND TAIL COPLANARITY TO BE 0.15.
 5. ロックは、20、34、50 極に設置する。
LOCK TO BE ADDED TO 20, 34 AND 50 CKTS.
- ロック
- LOCK
- (SCALE 2-1)
6. 梱包
PACKAGING
本製品はスティック梱包とし梱包後の ENG. NO. は 52584-***9 とする。
THIS PRODUCTS TO BE PACKED IN TUBE. ENG. NO.: 52584-***9
 7. 同一基板内に複数個 (2 個以上) の使用は避けてください。
MXJ DOSE NOT RECOMMEND THE USAGE OF TWO OR MORE OF THESE CONNECTORS BETWEEN A SINGLE PAIR OF P.C.B.OARD.



推奨基板寸法 (20、60、80、84、100、120、140 極)
RECOMMENDED PCB PATTERN LAYOUT (20,60,80,84,100,120,140 CKTS.)
(SCALE 2-1)

推奨基板寸法 (34、50、66 極)
RECOMMENDED PCB PATTERN LAYOUT (34,50,66 CKTS.)
(SCALE 2-1)

73.5	70.2	75.9	69	52584-1400	140
63.5	60.2	65.9	59	52584-1200	120
36.5	33.2	38.9	32	52584-0660	66
33.5	30.2	35.9	29	52584-0600	60
28.5	25.2	30.9	24	52584-0500	50
20.5	17.2	22.9	16	52584-0340	34
13.5	10.2	15.9	9	52584-0200	20
D	C	B	(A)	ENG. NO.	極数 NO. OF CKTS.

REVISED EC NO: DRWN: YOSHIDAM CHKD: THARUYAMA APPR: THARUYAMA 2008/11/06 2009/03/23 2009/03/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		4:1	METRIC			
		10 UNDER	± 0.2	DRAWN BY J. MIYAZAWA	DATE	TITLE 1.0 B-T0-B S/T REC. HSG ASSY				
		10 OVER 30 UNDER	± 0.25	CHECKED BY M. SASAO	DATE					
		30 OVER	± 0.3	APPROVED BY H. IKESUGI	DATE	 MOLEX INCORPORATED				
	ANGULAR ± 3 °	MATERIAL NO.		DOCUMENT NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52584-009		1 OF 1			
REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

SD-53397-***0/52584-***0
SD-53455-***0/52742-***0

DWG. NO.

U

DIMENSIONS IN METRIC DO NOT SCALE DRAWING

WW 88

NOTES
筆記

角度	ANGLE	
30°以上	OVER	±0.3
10°以上	OVER	±0.25
10°未満	UNDER	±0.2

— 公差 —
GENERAL TOLERANCES

53397-***0	}	子一儿無し品 WITHOUT NAIL
52584-***0		
53455-***0	}	子一儿有用品 WITH NAIL
52742-***0		

材料 MATERIAL

REVISION ONLY ON CAD SYSTEM
TITLE 名称

適用電線範圍

被覆外徑
INS. RANGE

INS. RANGE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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DRAWN BY

J. Muszard

APP'D BY _____

100

James A. H.

PROPRIETARY TO MOL

米 子 金 庫

DWG. NO.	RE
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SD-53397-***0/52584-***0
SD-53455-***0/52742-***0

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