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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	Product Specification PS-52584-003 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-52584-002 (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

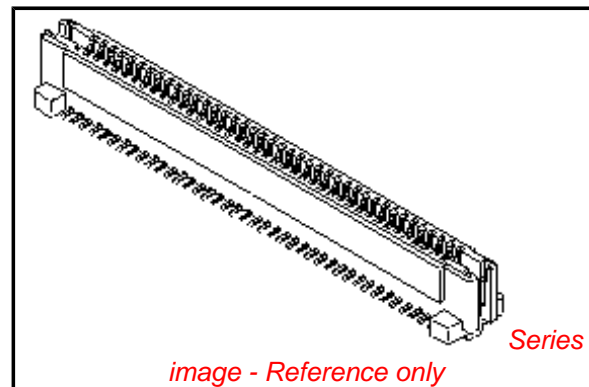
Electrical

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
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

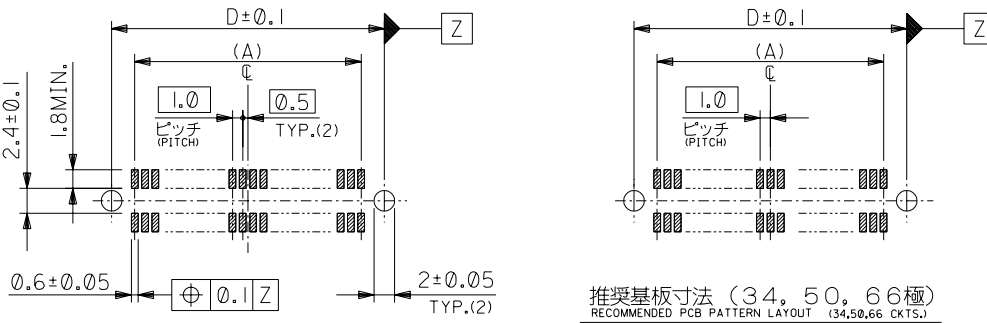
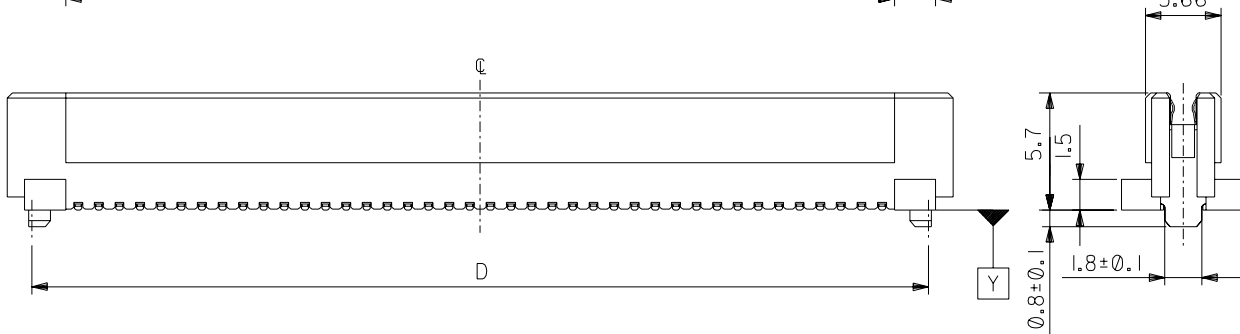
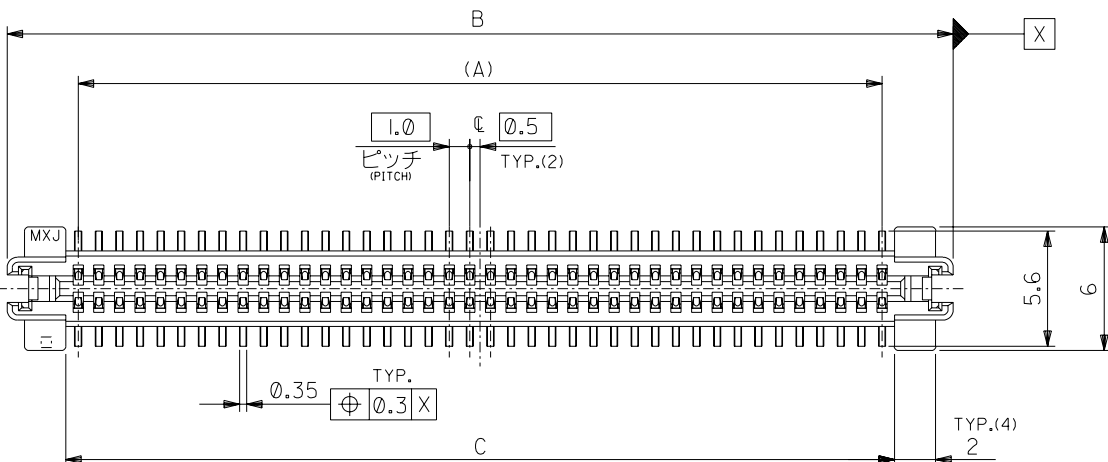
52584Series

Mates With

53395 , 53408

This document was generated on 04/16/2010

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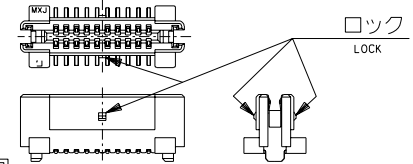


推奨基板寸法 (20, 60, 80, 84, 100, 120, 140極)
RECOMMENDED PCB PATTERN LAYOUT (20,60,80,84,100,120,140 CKTS.)

推奨基板寸法 (34, 50, 66極)
RECOMMENDED PCB PATTERN LAYOUT (34,50,66 CKTS.)

注) NOTES

- 材質 MATERIAL**
ハウジング: ガラス入りLCP、白色、UL94V-0
HOUSING: F.LCP, WHITE, UL94V-0
ターミナル: 燐青銅 (t=0.2)
TERMINAL: PHOSPHOR BRONZE
- メッキ仕様 PLATING**
接点部: 金メッキ 0.25 マイクロメートル以上。
CONTACT AREA: GOLD 0.25 MICROMETER MINIMUM.
半田付け部: 錫メッキ 1.0 マイクロメートル以上。
SOLDER TAIL AREA: TIN 1.0 MICROMETER MINIMUM.
下地メッキ: ニッケルメッキ 2.0 マイクロメートル以上。
UNDER-PLATING: NICKEL 2.0 MICROMETER MINIMUM.
- 推奨基板厚 RECOMMENDED PCB THICKNESS**
1.0±0.1mm MIN.
- 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、目付テール平坦度は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.
- ロックは、20, 34, 50極に設置する。 LOCK TO BE ADDED TO 20, 34 AND 50 CKTS.**
- 梱包 PACKAGING**
本製品はスティック梱包とし梱包後の MATERIAL NO. は 52584-***79 とする。
THIS PRODUCTS TO BE PACKED IN TUBE. MATERIAL NO.: 52584-***79
- 同一基板内に複数個 (2ヶ以上) 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.BOARD.**
- 本製品は 52584-***0 の鉛フリー品である。 THIS PRODUCT IS LEAD FREE OF 52584-***0.**



73.5	70.2	75.9	69	52584-1408	140
63.5	60.2	65.9	59	52584-1208	120
53.5	50.2	55.9	49	52584-1008	100
45.5	42.2	47.9	41	52584-0848	84
43.5	40.2	45.9	39	52584-0808	80
36.5	33.2	38.9	32	52584-0668	66
33.5	30.2	35.9	29	52584-0608	60
28.5	25.2	30.9	24	52584-0508	50
20.5	17.2	22.9	16	52584-0348	34
13.5	10.2	15.9	9	52584-0208	20
D	C	B	(A)	MATERIAL NO.	極数 NO. OF CKTS.

材料 MATERIAL	注参照 SEE NOTES	MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
仕上げ FINISH	注参照 SEE NOTES	
適用電線範囲 WIRE RANGE	—#—	REVISE ONLY ON CAD SYSTEM
被覆外径 INS. RANGE	—#—	TITLE 名称 1.0 B-T0-B S/T REC. HS'G ASS'Y -LEAD FREE-
DRAWN BY 04/03/22 H.KAWABATA	CHK'D BY 04/03/22 K.TOJO	DWG. NO. SD-52584-007
APP'D BY 04/03/22 M.SASAO	尺度 SCALE —#—	REV 0
角度 ANGLE ±3°		
30以上 OVER ±0.3		
10以上 30未満 UNDER ±0.25		
未満 10 UNDER ±0.2		
一般公差 GENERAL TOLERANCES	記号 LTR	
	変更内容 REVISION RECORD	
	DR. CHK.	
	日付 DATE	

7

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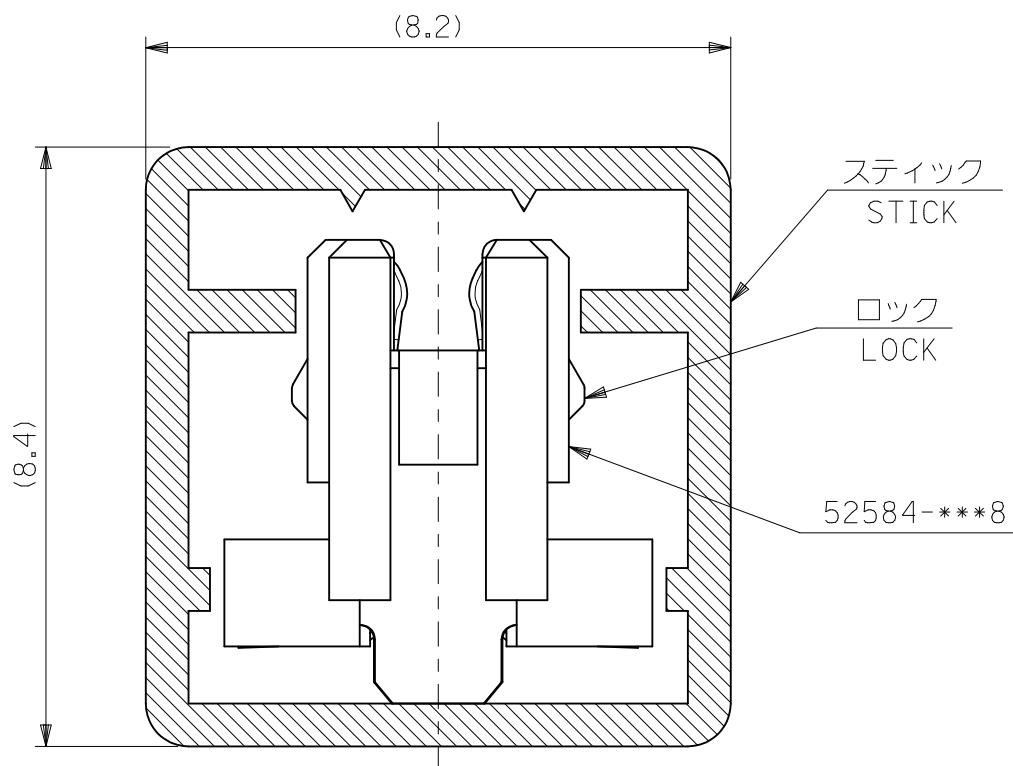
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注記
NOTES

1. スティック両端はキャップ止め。
BOTH ENDS WITH CAPS.
2. 全 長: 600±2
TOTAL LENGTH
3. 肉 厚: 0.6±0.2
THICKNESS
4. ロックは、20, 34, 50極に設置。
LOCK TO BE ADDED TO 20, 34
AND 50 CKTS.
5. 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.C

REVISED
EC NO: J2010-1409
DRW: RTSURUOKA 2010/01/13
CHKD: THARUYAMA 2010/01/14
APPR: HIRATA 2010/01/14

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE
MM ONLY

DRAWN BY DATE
HKAWABATA '04/03/22
CHECKED BY DATE
KTOJO '04/03/22
APPROVED BY DATE
MSASAO '04/03/22

SCALE
---DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

52584-***8
STICK PACKAGING
-LEAD FREE-



MOLEX INCORPORATED

SEE TABLE

DOCUMENT NO.

SD-52584-008

SHEET NO.

1 OF 1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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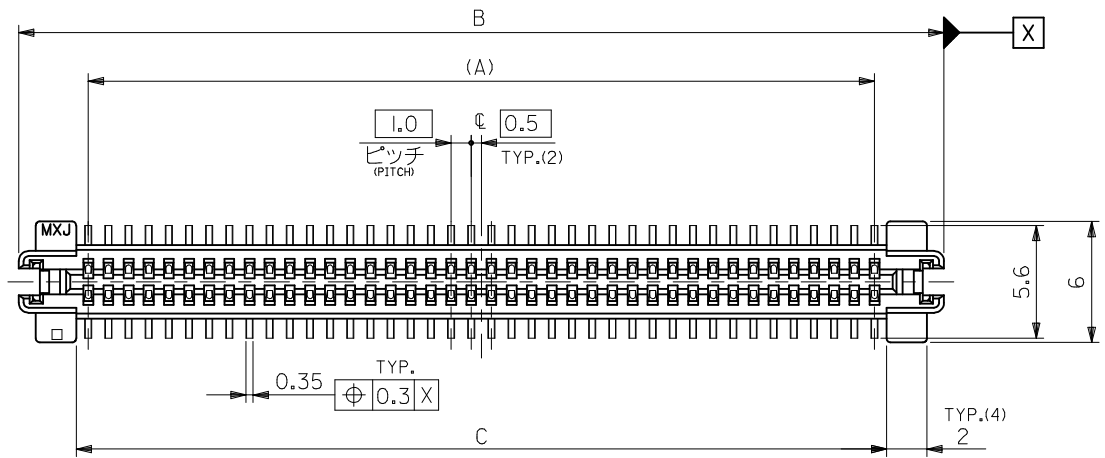
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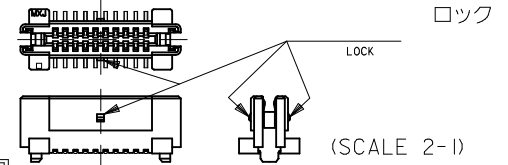
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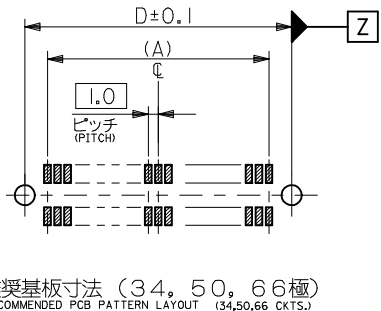
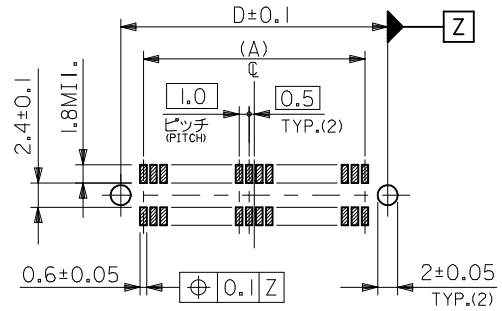
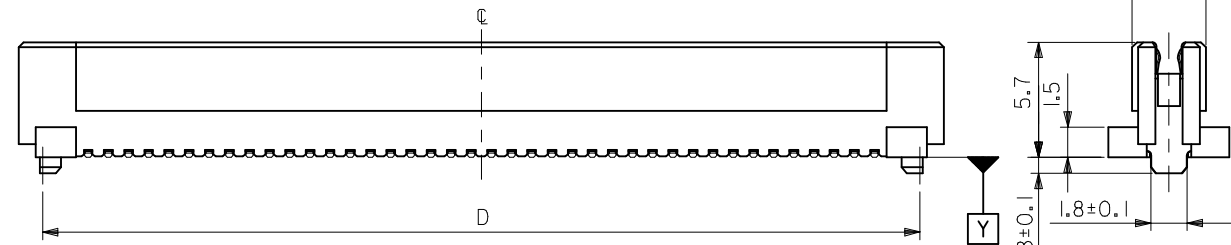


注) NOTES

1. 材質 MATERIAL
ハウジング: ガラス入り LCP、白色、UL 94V-0
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.



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ヶ以上) 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.



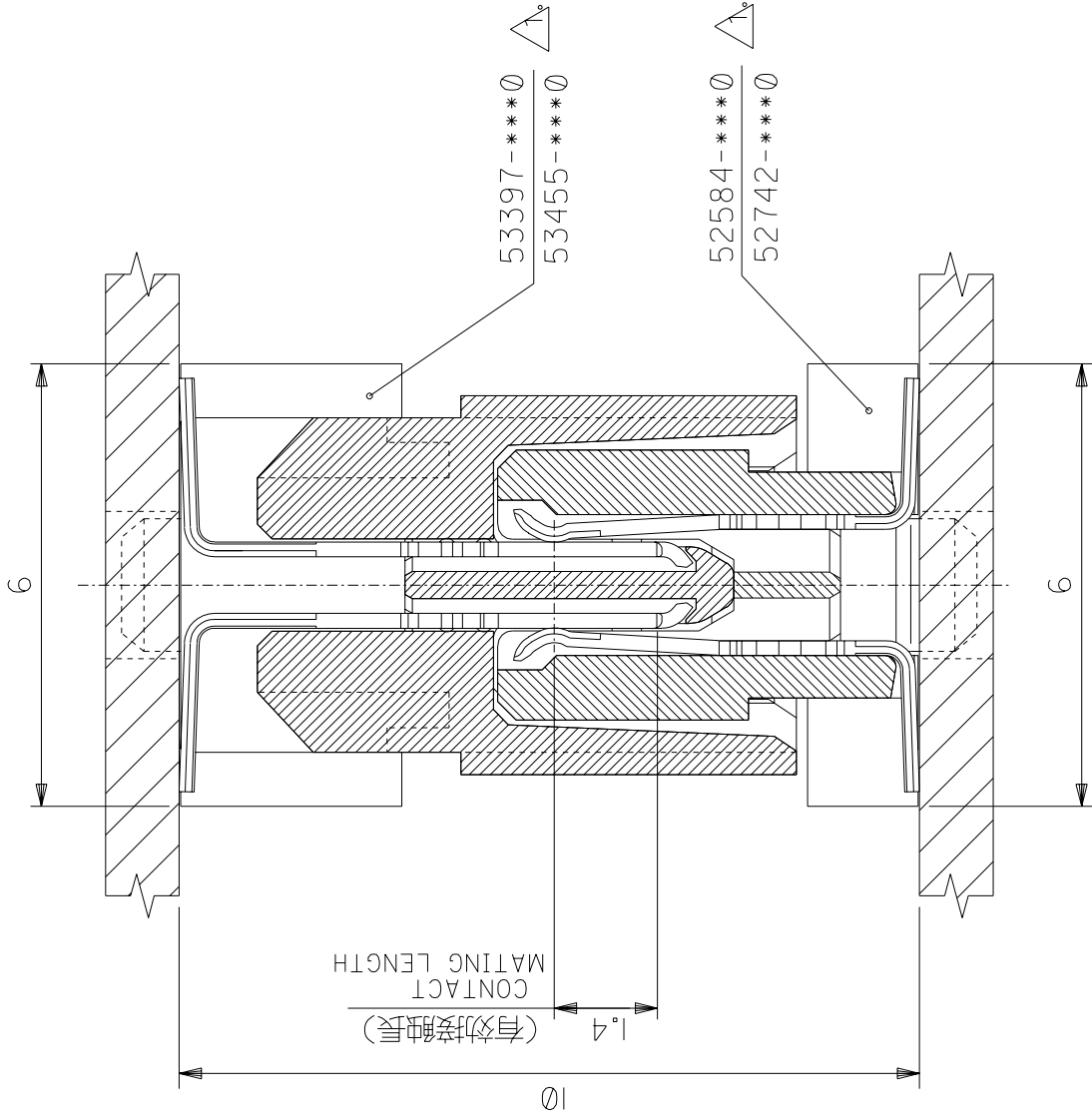
推奨基板寸法 (20, 60, 80, 84, 100, 120, 140 極)
RECOMMENDED PCB PATTERN LAYOUT (20,60,80,84,100,120,140 CKTS.)
(SCALE 2-1)

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

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



角度	ANGLE	$\pm 30^\circ$
30以上	OVER	± 0.3
10以上	未満	± 0.25
30以下	UNDER	
10以下	未満	± 0.2
一般公差		
GENERAL TOLERANCES		

MM
DIMENSIONS IN METRIC DO NOT SCALE DRAWING

注記
NOTES

- \triangle 53397-***0 } ネール無し品
52584-***0 } WITHOUT NAIL
- \triangle 53455-***0 } ネール有り品
52742-***0 } WITH NAIL

	材料	— # —	
	仕上げ	— # —	
	適用電線範囲	— # —	
	被覆外径	— # —	
	INS. RANGE	— # —	
A	変更	94/01/27	J.M
	新規作成	92/10/27	J.M
0	RELEASED		M.S
	変更内容	DR.	DATE
LTR	REVISION RECORD	CHK.	DATE
	DRAWN BY	CHK'D BY	
		M. YAGI	
	APP'D BY	SCALE 10-1	

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
REVISE ONLY ON CAD SYSTEM	
TITLE 名称	
I.0 B-T0-B CONNECTOR 嵌合図 CROSS-SECTION VIEW OF MATED CONNECTORS	
DWG. NO.	REV
SD-53397-***0/52584-***0	A
SD-53455-***0/52742-***0	A

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FNのIC(32)IMX 1-33

TF3:110.03JSMG533970.DCN