

FEATURES AND SPECIFICATIONS

Features and Benefits

- Stacking height: 5.0 to 8.0 and 10mm
- Sizes 20 to 240 circuits
- Housing lock on 20 to 70 circuits
- Anti-flux design
- Metal solder tabs provide PCB hold down and strain relief for SMT tails
- Polarizing pegs assist placement

Reference Information

Packaging: Tube and embossed tape

Mates With: [53475](#) (H=5.0mm)

[53467](#) (H=6.0mm)

[53481](#) (H=7.0mm)

[53551](#) (H=8.0mm)

[53553](#) (H=10.0mm)

Designed In: Millimeters

Electrical

Voltage: 100V

Current: 0.5A

Contact Resistance: 40mΩ max. (H=5.0 to 7.0mm)
50mΩ max. (H=8.0, 10.0mm)

Dielectric Withstanding Voltage: 250V AC

Insulation Resistance: 1000 MΩ min.

Physical

Housing: White glass-filled LCP, UL 94V-0

Contact: Copper Alloy

Plating: Gold over Nickel

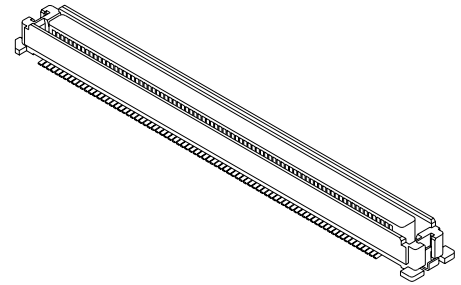
Operating Temperature: -55 to +85°C



0.635mm (.025") Pitch Board-to-Board Receptacle

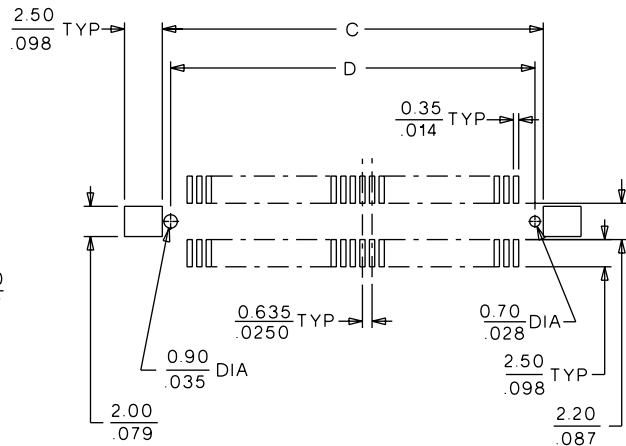
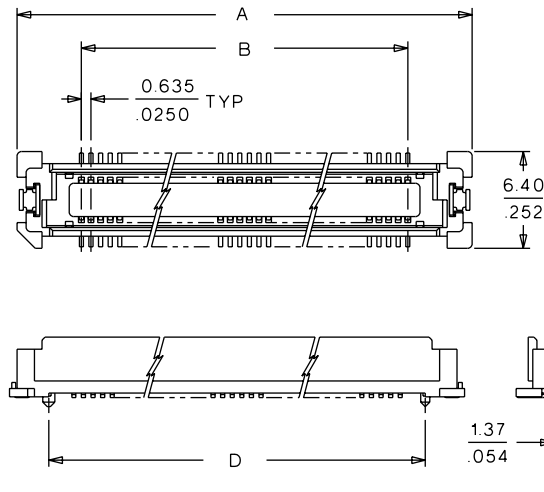
52760/52885

**SMT, Dual Row
Vertical Stacking**



0.40 to 1.60mm (.016 to .063") Pitch

CATALOG DRAWING (FOR REFERENCE ONLY)



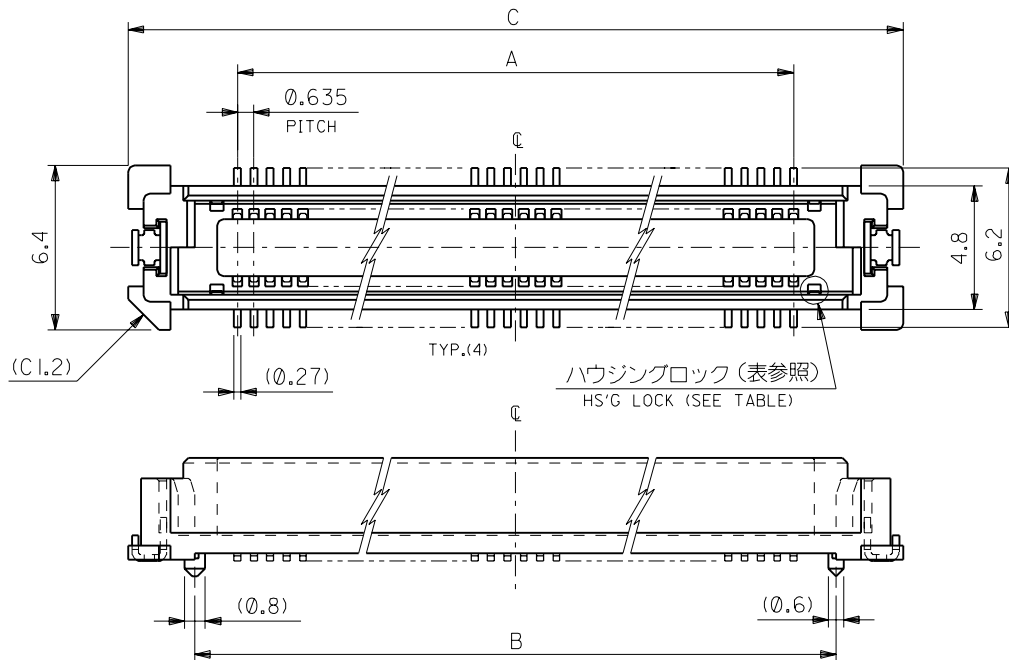
PCB LAYOUT: COMPONENT SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension			
	Tube	Tube with Cover	Embossed Tape with Cover	A	B	C	D
20	52760-0209	52885-0205	52885-0204	14.22 (.559)	5.71 (.225)	10.62 (.418)	9.02 (.355)
30	52760-0309		52885-0304	17.40 (.685)	8.89 (.350)	13.80 (.543)	12.20 (.480)
40	52760-0409		52885-0404	20.57 (.809)	12.06 (.475)	16.97 (.668)	15.37 (.605)
50	52760-0509	52885-0505	52885-0504	23.75 (.935)	15.24 (.600)	20.15 (.793)	18.55 (.730)
60	52760-0609	52885-0605	52885-0604	26.92 (1.059)	18.41 (.725)	23.32 (.918)	21.72 (.855)
68	52760-0689			29.46 (1.159)	20.99 (.827)	25.86 (1.018)	24.26 (.955)
70	52760-0709	52885-0705	52885-0704	30.10 (1.185)	21.59 (.850)	26.50 (1.043)	24.90 (.980)
80	52760-0809		52885-0804	33.27 (1.309)	24.76 (.975)	29.67 (1.168)	28.07 (1.105)
90	52760-0909	52885-0905	52885-0904	36.45 (1.435)	27.94 (1.100)	32.85 (1.293)	31.25 (1.230)
100	52760-1009	52885-1005	52885-1004	39.62 (1.559)	31.11 (1.225)	36.02 (1.418)	34.42 (1.355)
120	52760-1209	52885-1205	52885-1204	45.97 (1.809)	37.46 (1.475)	42.37 (1.668)	40.77 (1.605)
140	52760-1409	52885-1405		52.32 (2.059)	43.81 (1.725)	48.72 (1.918)	47.12 (1.855)
160	52760-1609	52885-1605	52885-1604	58.67 (2.309)	50.16 (1.975)	55.07 (2.168)	53.47 (2.105)
180	52760-1809			65.02 (2.559)	56.51 (2.225)	61.42 (2.418)	59.82 (2.355)
200	52760-2009			71.37 (2.809)	62.86 (2.475)	67.77 (2.668)	66.17 (2.605)
240	52760-2409			84.07 (3.309)	75.56 (2.975)	80.47 (3.168)	78.87 (3.105)

Note: Use only one connector per daughterboard in order to insure proper mating alignment

Note: Contact Molex for embossed tape specifications

注)
NOTES1. 材質
MATERIAL

ハウジング : ガラス入りLCP、白色、UL94V-0
HOUSING: LIQUID CRYSTAL POLYMER, GLASS FILLED, WHITE, UL94V-0
ターミナル : 銅合金 (t=0.2)
TERMINAL: COPPER ALLOY

2. メッキ仕様
PLATING

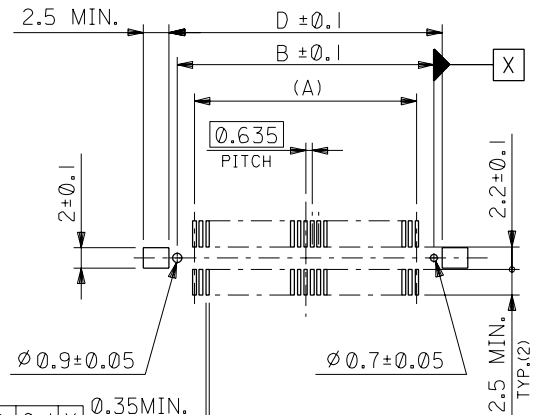
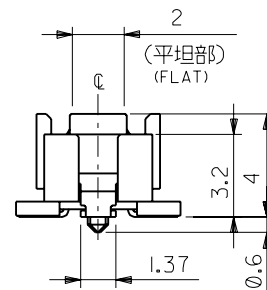
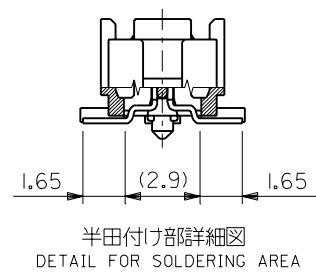
接点部 : 金メッキ 0.25 μm MIN.
CONTACT AREA: GOLD 0.25 MICROMETER MINIMUM
半田付け部 : 半田メッキ, Sn/Pb=90/10(%) 1.0 μm MIN.
SOLDER TAIL AREA: TIN-LEAD, Sn/Pb=90/10(%) 1.0 MICROMETER MINIMUM
下地メッキ : ニッケルメッキ 1.5 μm MIN.
UNDER-PLATING: NICKEL 1.5 MICROMETER MINIMUM

3. テールのバラツキ寸法
TAIL COPLANARITY

テール平坦度は 0.1 MAX. とする。
TAIL COPLANARITY TO BE 0.1 MAXIMUM

4. エンボス対応済みの極数については、SD-52760-***8を参照下さい。
FOR THE EMBOSSED PACKAGE PRODUCTS, SEE SD-52760-***8.

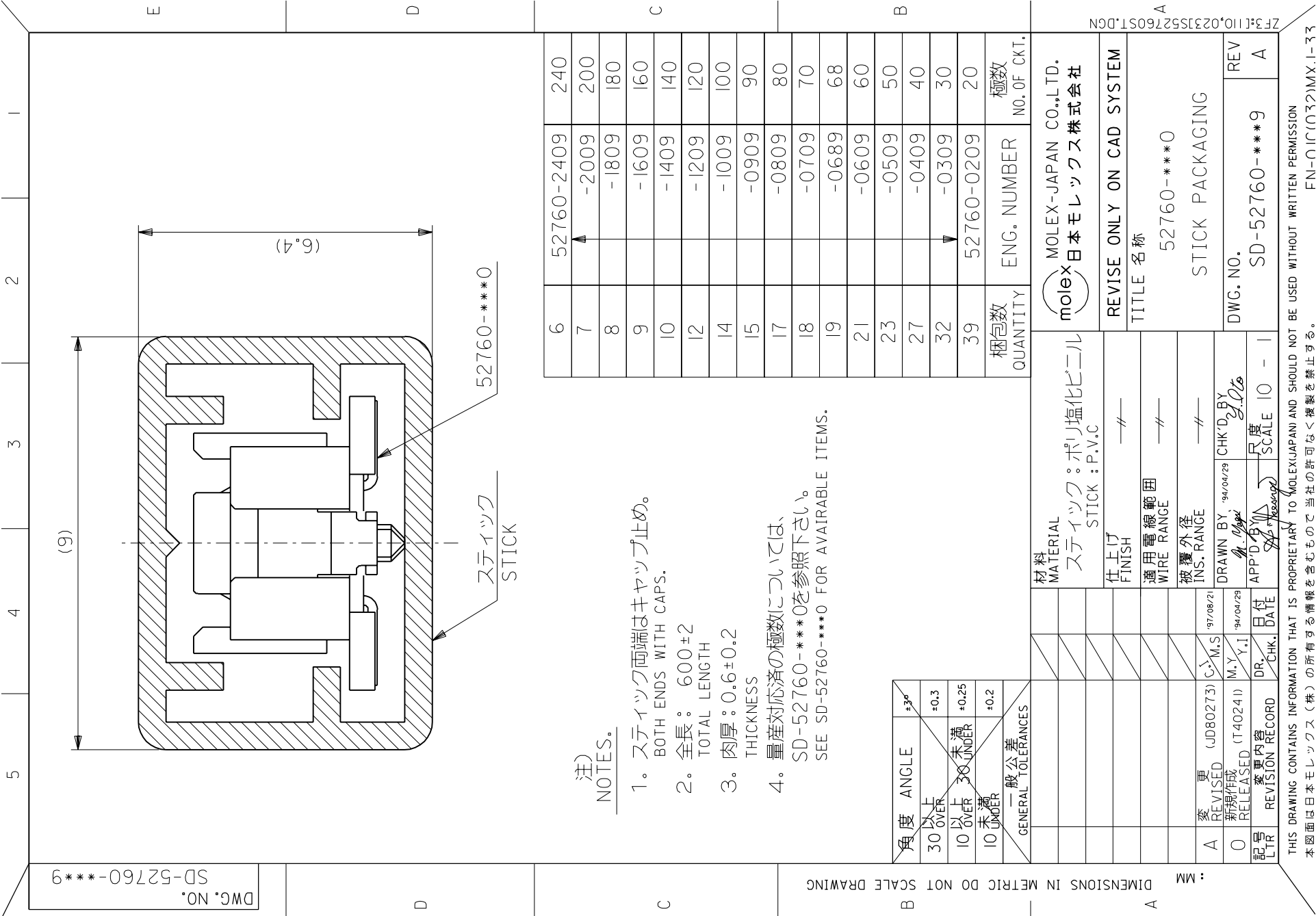
7 mm	53481-***7
6 mm	53467-***0
5 mm	53475-***0
基板間寸法 STACKING HEIGHT	嵌合相手 TO BE MATED WITH

推奨基板寸法
RECOMMENDED PCB PATTERN LAYOUT
(SCALE: 2-1)

無し NO	80.47	84.07	78.87	75.565			52760-2409	52760-2400	240	—
	67.77	71.37	66.17	62.865			-2009	-2000	200	○
	61.42	65.02	59.82	56.515			-1809	-1800	180	○
	55.07	58.67	53.47	50.165	52760-1606		-1609	-1600	160	○
	48.72	52.32	47.12	43.815			-1409	-1400	140	○
	42.37	45.97	40.77	37.465			-1209	-1200	120	○
	36.02	39.62	34.42	31.115		52760-1008	-1009	-1000	100	○
	32.85	36.45	31.25	27.94		-0908	-0909	-0900	90	○
	29.67	33.27	28.07	24.765		-0808	-0809	-0800	80	○
有り YES	26.5	30.1	24.9	21.59		-0708	-0709	-0700	70	○
	25.86	29.43	24.26	20.955		-0688	-0689	-0680	68	○
	23.32	26.92	21.72	18.415		-0608	-0609	-0600	60	○
	20.15	23.75	18.55	15.24		-0508	-0509	-0500	50	○
	16.97	20.57	15.37	12.065		-0408	-0409	-0400	40	○
	13.8	17.4	12.2	8.89		-0308	-0309	-0300	30	○
	10.62	14.22	9.02	5.715		52760-0208	52760-0209	52760-0200	20	○
ハウジングロック HS'G LOCK	D	C	B	A	トレイ梱包 TRAY PACKAGING	エンボス梱包 EMBOSSED PACKAGING	スティック梱包 STICK PACKAGING	製品番号 ENG. NO.	極数 CKT. NO.	量産対応 AVAILABLE

角度 ANGLE	±3°	C	変更 REVISED (JD2001-1433)	Y.N	M.S	01/04/23
30以上 OVER	±0.3	B	変更 REVISED (JD90957)	H.S	M.S	09/01/13
10以上 30未満 OVER UNDER	±0.25	A	変更 REVISED (JD80273)	C.I	M.S	07/08/21
10未満 UNDER	±0.2	0	新規作成 RELEASED (T4024)	M.Y	Y.I	04/04/29
一般公差 GENERAL TOLERANCES		LTR	変更内容 REVISION RECORD	DR.	日付 DATE	APP'D BY SCALE 5-1

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
DRAWN BY 04/04/29	CHK'D BY 04/04/29	0.635 PITCH B-T0-B S/T REC. HS'G ASS'Y
DWG. NO.	SD-52760-***0	REV C



注)
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. 量産対応済の極数については、
SD-52760-***0を参照下さい。
SEE SD-52760-***0 FOR AVAILABLE ITEMS.

mm : DIMENSIONS IN METRIC DO NOT SCALE DRAWING

角度	ANGLE	±3°
30°以上	OVER	±0.3
10°以上 30°未満	OVER	±0.25
10°未満	UNDER	±0.2
一般公差		
GENERAL TOLERANCES		

記号 記号	変更 新規格 RELEASED	変更内容 REVISION RECORD	DR.	日付 DATE	CHK.	Y.	M.	D.	C.	M.	S.	Y.

材料 MATERIAL		スティック : ポリ塩化ビニル STICK : P.V.C	
仕上げ FINISH		—#—	
適用電線範囲 WIRE RANGE		—#—	
被覆外径 INS. RANGE		—#—	
DRAWN BY		CHK'D BY	
APP'D BY		SCALE	
10 - 1		10 - 1	

モレックス株式会社 MOLEX-JAPAN CO.,LTD.		REVISE ONLY ON CAD SYSTEM	
TITLE 名称		52760-***0	
STICK PACKAGING		DWG. NO.	
SD-52760-***9		REV	
A		A	

DWG. NO.
SD-52760-012

F

D

V

C

B

DO NOT SCALE DRAWING

8

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3

2

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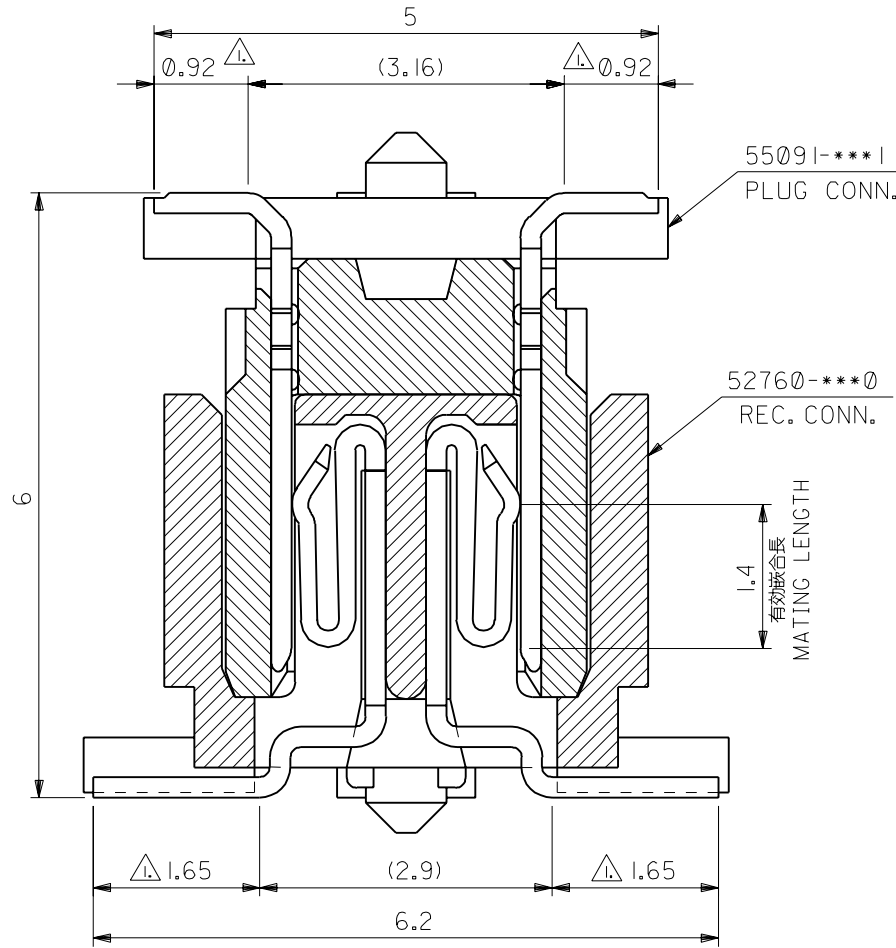
E

D

C

B

A



注)
△ 基板接地長さ
FLAT AREA

EC NO.
DRWN:
CHK:
APPR:

EC NO.
DRWN:
CHK:
APPR:

EC NO.
DRWN:
CHK:
APPR:

EC NO.
DRWN:
CHK:
APPR:

RELEASED
ECNO.:J2002-0634
DRWN:H.SHIMOYAMA '01/09/17
CHK:K.KASAHARA '01/09/17
APPR:T.YAMAGUCHI '01/09/17

MATERIAL
材料
FINISH
仕上げ
WIRE RANGE
適用電線範囲

INS. RANGE
被覆外径

GENERAL TOLERANCES:
(UNLESS SPECIFIED)
一般公差
10 UNDER
未満
10 OVER
以上
30 UNDER
未満
30 OVER
以上
ANGLE 角度

SCALE
20-1
DESIGN UNITS
mm INCH
THIRD ANGLE
PROJECTION
DRAWN BY & DATE
H.SHIMOYAMA '01/09/17
CHECKED BY & DATE
K.KASAHARA '01/09/17
APPROVED BY & DATE
T.YAMAGUCHI '01/09/17
CAD FILENAME
52760012.S01

TITLE:
0.635 mm PITCH B TO B CONN.
52760/55091 SERIES (H=6)
MATING CROSS SECTION
MOLEX INCORPORATED
MATERIAL NO.
SEE CHART
DRAWING NO.
SD-52760-012
SHEET NO.
1 OF 1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.
SIZE
B

EN-02J(097) MXJ-54