

FEATURES AND SPECIFICATIONS

Features and Benefits

- Size 50 circuits
- 1.64mm standoff height
- Dual-row 1.27mm (.050") pitch at card interface and 0.635mm (.025") pitch in-line SMT tails
- High temperature housing suitable for reflow soldering
- Solder tabs in front to provide stability during mating
- In-line SMT tails protect against damage during assembly

Reference Information

Packaging: Embossed tape and reel or tray
Use With: [55021](#), [55022](#) and [55065](#) ejectors
Designed In: Millimeters

Electrical

Voltage: 100V
Current: 0.5A
Contact Resistance: 40mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 1000 MΩ min.

Mechanical

Contact Retention to Housing: 9.8N min.
Mating Force: 28.8N max.
Unmating Force: 4.9N min.
Durability: 10,000 cycles

Physical

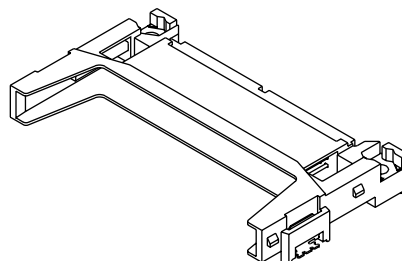
Housing: White glass-filled LCP, UL 94V-0
Contact: Phosphor Bronze
Plating: Contact Area—Gold over Palladium Nickel
Solder Tail Area—Tin/Lead
Underplating—Nickel
Solder Tab: Phosphor Bronze, Tin/Lead over Copper plating
Operating Temperature: -20 to +90°C



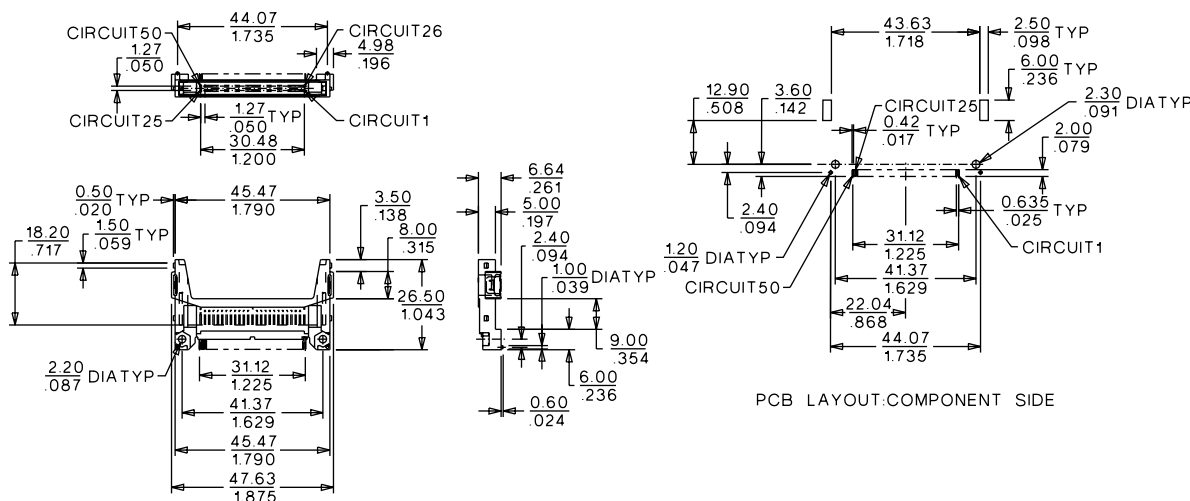
1.27mm (.050") Pitch CF Card Header

53856

Right Angle, SMT Top Mounting For Type I Cards



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Order No.	
Tray	Embossed Tape and Reel
53856-5010	53856-5018



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

EN-02J(097) MXJ-54

DWG. NO. SD-53856-002

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DO NOT SCALE DRAWING

注) NOTES

1. 材質
MATERIAL
ハウジング: ガラス入りLCP UL94V-0
HOUSING: LCP G.F. UL94V-0
ピン: リン青銅
PIN: PHOSPHOR BRONZE
ネール: リン青銅
NAIL: PHOSPHOR BRONZE

2. メッキ仕様
PLATING
PIN 接点部: パラジウムニッケル下地、金メッキ
CONTACT AREA: Au OVER Pd-Ni
半田付け部: 半田メッキ
SOLDER TAIL AREA: TIN-LEAD
下地メッキ: ニッケルメッキ
UNDERPLATING: Ni OVER ALL
NAIL 半田メッキ
Sn-Pb
下地メッキ: 銅メッキ
UNDERPLATING: Cu OVER ALL

3. 推奨基板厚: t0.8 MIN.
RECOMMENDED P.C.B. THICKNESS: t0.8 MIN.

4. 適合カード厚
RECOMMENDED CARD THICKNESS
接続部: 3.3±0.1
CONNECTING AREA: 3.3±0.1

5. 適合カード幅: 42.8±0.1
RECOMMENDED CARD WIDTH: 42.8±0.1

6. ハウジング色:
HOUSING COLOR:
53856-5010: 白 (WHITE)
53856-5010: 黒 (BLACK)

△ 寸法適用極: 1,13,38,50
THIS DIMENSION APPLIES TO CIRCUIT NUMBERS
1,13,38 AND 50.

△ 寸法適用極: 25,26
THIS DIMENSION APPLIES TO CIRCUIT NUMBERS 25 AND 26.

△ ピンの倒れは、ピン根元を基準に全方向へ 0.1 MAX.とする。
PIN TIP LEAN TOWARD ANY DIRECTION NOT TO EXCEED 0.1
WHEN MEASURED FROM PIN BASE.

△ ピン根元に適用する。
THIS DIMENSION TO BE MEASURED AT PIN BASE.

△ ソルダータールは、Z面を基準とし上へ 0.05 下へ 0.2 の範囲にあり、
且つソルダータールの平坦度は、0.15 MAX.とし、テール先端にて測定する。
SOLDERTAILS TO BE WITHIN 0.05 UPWARD AND
0.2 DOWNWARD FROM Z-DATUM PLACE, AND COPLANARITY
OF SOLDERTAILS TO BE WITHIN 0.15.
MEASUREMENT POINT IS SOLDERTAILS TIP.

△ 公差非累積
NON-CUMULATIVE

EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		DESCRIPTION	MATERIAL 材料	FINISH 仕上り	WIRE RANGE 適用電線範囲	INS. RANGE 被覆外径	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 2-1	DESIGN UNITS mm INCH mm ONLY	THIRD ANGLE PROJECTION	mm INCH mm ONLY	REVISE ON CAD ONLY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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SD-53856-002.S02

DWG. NO. SD-53856-003

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DO NOT SCALE DRAWING

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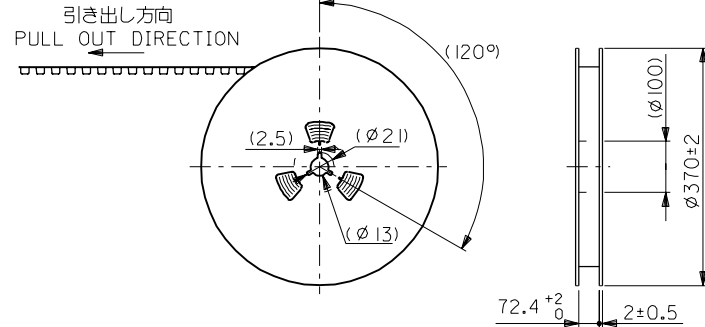
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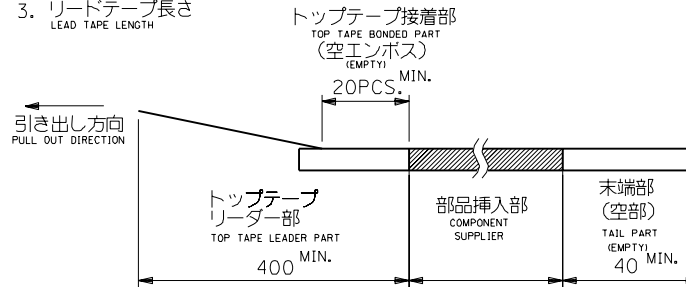


注)
NOTES

1. 製品番号 53856-5010/53856-5011 の詳細寸法については、
SD-53856-002 を参照下さい。
IN THE PACKAGE ,PART NO.53856-5010/53856-5011 DETAILED DIMENSIONS , SEE SD-53856-002

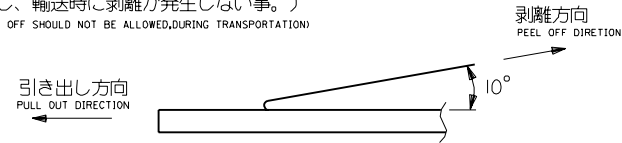
2. 梱包数量 : 280個/リール
NUMBER OF CONNECTORS : 280 PCS/REEL

3. リードテープ長さ
LEAD TAPE LENGTH



4. トップテープの剥離強度 : (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0. 1~1. 3N (10. 2~130gf) : キャリアテープ幅 72mm
CARRIER TAPE WIDTH 72mm

尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED,DURING TRANSPORTATION)



5. 材料

MATERIAL

キャリアテープ : ポリプロピレン (PP)
CARRIER TAPE : POLYPROPYLENE (PP)
トップテープ : PET, PE, PEF
TOP TAPE : PET , PE , PEF
リール : 紙
REEL : CARD BOARD

BLACK	53856-5011	53856-5019
WHITE	53856-5010	53856-5018
HOUSING COLOR	PART No.	MATERIAL No.

53856-501*	MODEL No.	DIMENSIONS:	SHT	REV
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	mm	INCH
10 UNDER 未満	0.2	DRAWN BY & DATE	TITLE:	53856-5010/-5011
10 OVER 以上 30 UNDER 未満	0.25	CHECKED BY & DATE	MOLEX INCORPORATED	TAPING PACKAGE
30 OVER 以上	0.3	APPROVED BY & DATE	MATERIAL No.	DRAWING No.
ANGLE 角度	0.3	CAD FILE NAME	SD-53856-003.SOI	SD-53856-003
WIRE RANGE 適用電線範囲		INS. RANGE 被覆外径		
REV				

EN-02J(097) MXJ-54

DWG. NO.
SD-53856-003

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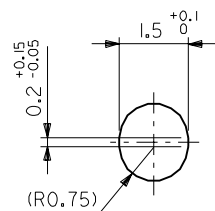
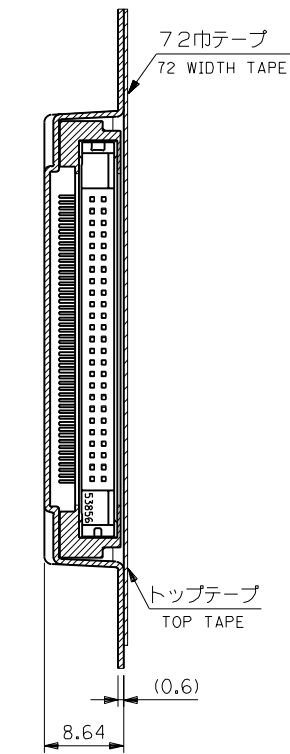
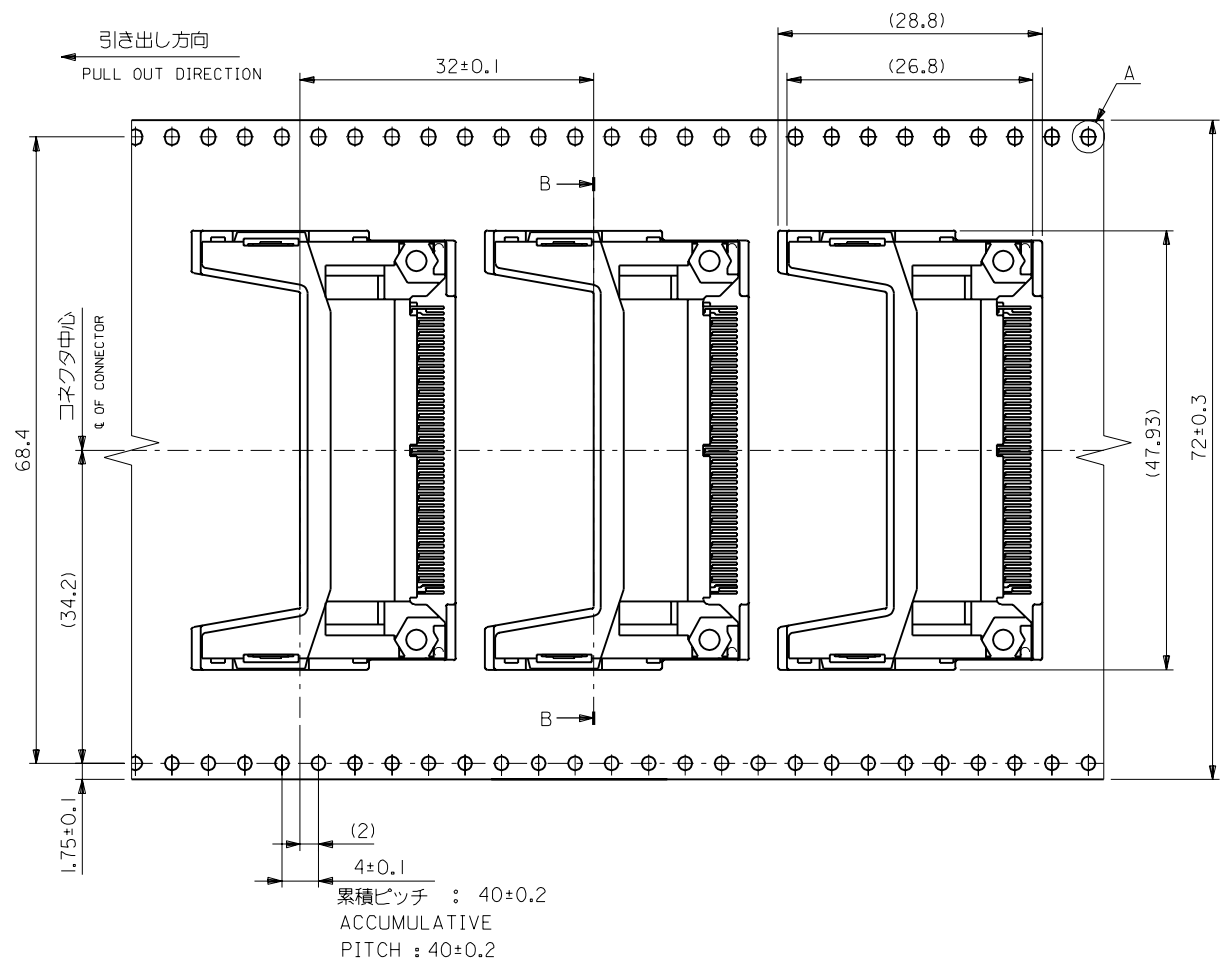
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DO NOT SCALE DRAWING

A部詳細
SCALE: 10-1断面 B - B
SECTION B-B

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EC NO.					DESCRIPTION	MATERIAL 材料	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 2-1	DESIGN UNITS mm INCH	THIRD ANGLE PROJECTION	DIMENSIONS: mm INCH mm ONLY		SHT	REV
DRWN: CHK: APPR:	EC NO.	DRWN: CHK: APPR:	EC NO.	DRWN: CHK: APPR:			10 UNDER 未満	+0.2				mm	INCH		
					FINISH 仕上げ		10 OVER 以上	+0.25							
					WIRE RANGE 適用線径範囲		30 OVER 以上	+0.3							
					INS. RANGE 被覆外径		ANGLE 角度	+3°							

DRAWN BY & DATE J. Hanyu '00/04/07		CHECKED BY & DATE H. Saito '00/04/07		APPROVED BY & DATE H. Saito '00/04/07		TITLE: 53856-5010/-5011 TAPING PACKAGE	
CAD FILE NAME SD-53856-003.S02		MATERIAL NO. SEE SHEET 1		DRAWING NO. SD-53856-003		SHEET NO. 2	
						SIZE B	

EN-02J(097) MXJ-54