

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0528851074**
Status: **Active**
Description: 0.635mm (.025") Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical Stacking, 5.00 to 10.00mm (.197 to .394") Stacking Heights, Embossed Tape with Cover Packaging, 100 Circuits, Lead-free

Documents:

[3D Model](#) [Product Specification PS-52760-015 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family PCB Receptacles
 Series [52885](#)
 Application Board-to-Board
 Comments Stacking-Type
 Product Name SlimStack™

Physical

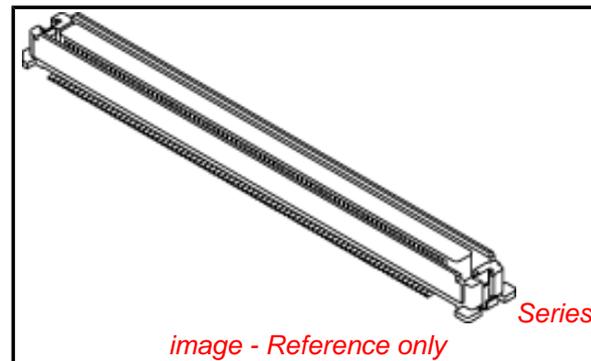
Circuits (Loaded) 100
 Color - Resin Natural
 Durability (mating cycles max) 50
 Flammability 94V-0
 Glow-Wire Compliant No
 Mated Height (mm) 10.00 mm, 5.00 mm, 6.00 mm, 7.00 mm, 8.00 mm, 9.00 mm
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Vertical
 PCB Locator Yes
 PCB Retention Yes
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface (in) 0.025 In
 Pitch - Mating Interface (mm) 0.64 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 Yes
 Robotic Placement Pick and Place Cap
 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



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

[52885Series](#)

Mates With

[55091](#) , [53649](#) , [53643](#) , [53475](#) , [53627](#) , [53553](#) , [53552](#) , [53647](#) , [53551](#) , [53481](#) , [53625](#)

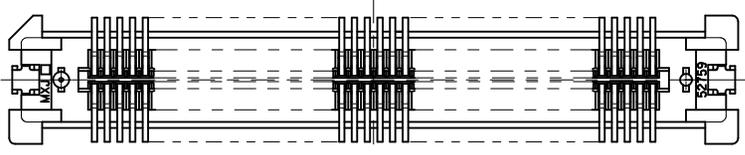
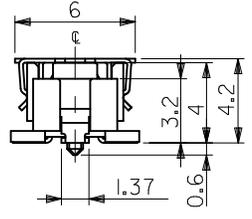
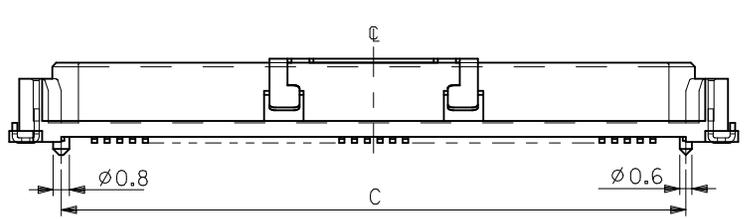
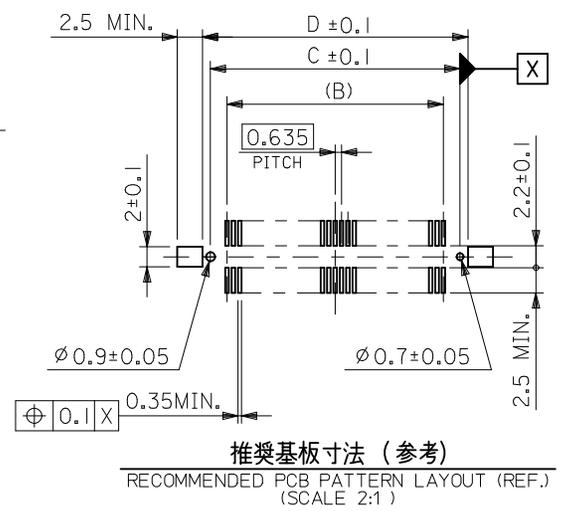
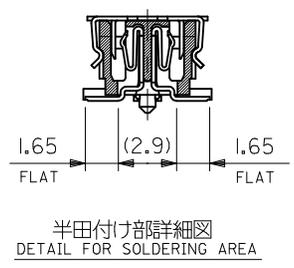
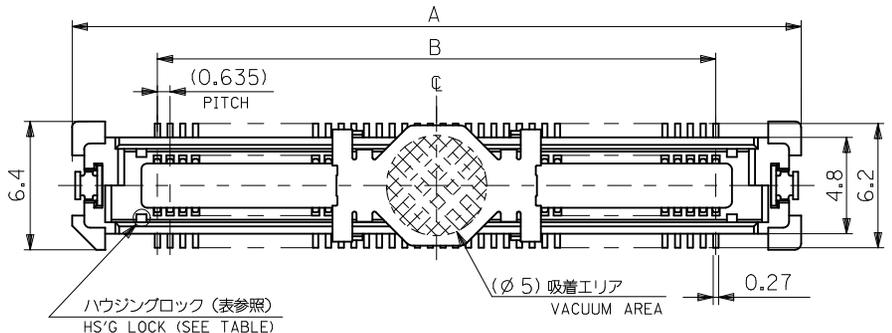
Product Specification

Sales Drawing

PS-52760-015, RPS-52760-017, RPS-52760-018,
RPS-52760-020, RPS-52760-021, RPS-52760-029,
RPS-52885-007, RPS-52885-008, RPS-52885-009
SD-52885-003, SD-52885-004

This document was generated on 04/15/2010

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- 注) NOTES
- 材質
MATERIAL
ハウジング: ガラス入りLCP, 白色, UL94V-0
HOUSING: G.F.LCP, WHITE, UL94V-0
ターミナル: 銅合金 (t = 0.2)
TERMINAL: COPPER ALLOY
吸着カバー: ステンレス (t = 0.2)
VACUUM COVER: STAINLESS STEEL
補強金具: 銅合金 (t = 0.25)
FITTING NAIL: COPPER ALLOY
 - メッキ仕様
PLATING
ターミナル: 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 1.5 マイクロメートル以上
UNDER-PLATING: NICKEL 1.5 MICROMETER MINIMUM
補強金具: 錫メッキ 1.0 マイクロメートル以上
FITTING NAIL: TIN 1.0 MICROMETER MINIMUM
下地メッキ: ニッケルメッキ 1.0 マイクロメートル以上
UNDER-PLATING: NICKEL 1.0 MICROMETER MINIMUM

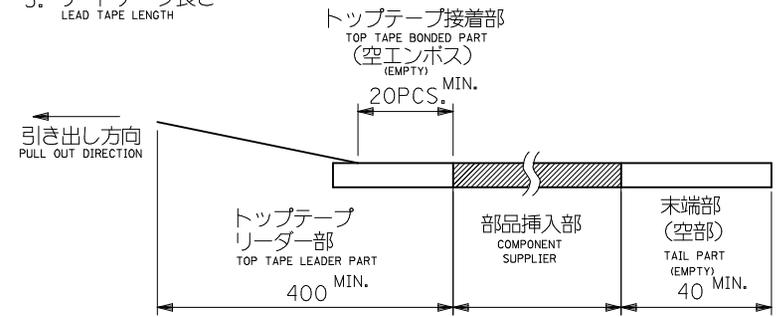
- テールのバラツキ寸法
TAIL COPLANARITY
240極以下品のテール平坦度は0.1MAX.、
240極品のテール平坦度は0.12MAX.とする。
TAILS COPLANARITY TO BE 0.1MAX.
IN 240 CIRCUITS, TAILS COPLANARITY TO BE 0.12MAX.
- エンボス対応済みの極数については、SD-52885-004を参照下さい。
FOR THE EMBOSSED PACKAGE PRODUCTS, SEE SD-52885-004.

無し NO	80.47	78.87	75.565	84.07	52885-2474	240
	67.77	66.17	62.865	71.37	52885-2074	200
	55.07	53.47	50.165	58.67	52885-1674	160
	48.72	47.12	43.815	52.32	52885-1474	140
	42.37	40.77	37.465	45.97	52885-1274	120
	36.02	34.42	31.115	39.62	52885-1074	100
	32.85	31.25	27.94	36.45	↑ -0974	90
29.67	28.07	24.765	33.27	↑ -0874	80	
有り YES	26.5	24.9	21.59	30.1	↑ -0774	70
	23.32	21.72	18.415	26.92	↑ -0674	60
	20.15	18.55	15.24	23.75	↑ -0574	50
	16.97	15.37	12.065	20.57	↑ -0474	40
ハウジングロック HSG LOCK	13.8	12.2	8.89	17.4	↓ -0374	30
	10.62	9.02	5.715	14.22	↓ -0274	20
CONNECTORS SERIES No.					52885-***72	極数 CKT. NO.

REVISED EC NO: J2010-2458 DRWN: KAIHO 2010/06/04 CHKD: T. JO 2010/06/10 APPR: MSASAO 2010/06/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	± 0.2	DRAWN BY M. NAGATA	DATE 2004/02/25	TITLE 0.635 PITCH B TO B S/T REC. HSG ASSY -LEAD FREE-		
	10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2004/02/25	MOLEX INCORPORATED		
	30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/02/25	DOCUMENT NO. SD-52885-003		
	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		SHEET NO. 1 OF 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

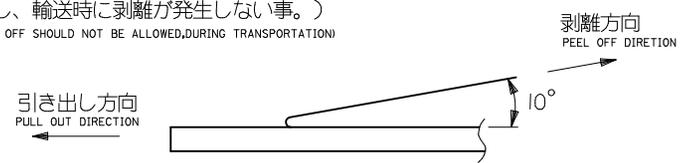
注)
NOTES

- 製品番号 52885-**72 の詳細寸法については SD-52885-003 を参照下さい。
IN THE PACKAGE , PART NO. 52885-**72 DETAILED DIMENSIONS , SEE SD-52885-003
- 梱包数量 : 1000個/リール
NUMBER OF CONNECTORS : 1000 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH

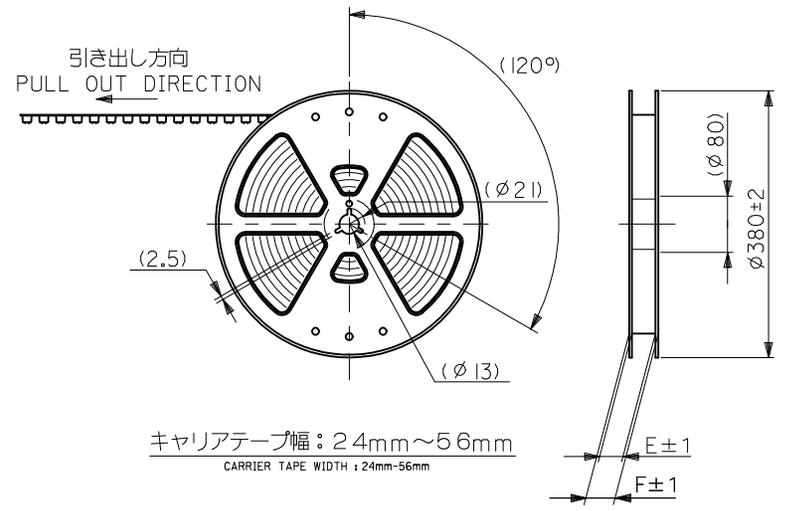


- トップテープの剥離強度 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0.1~0.3N {10~130gf}

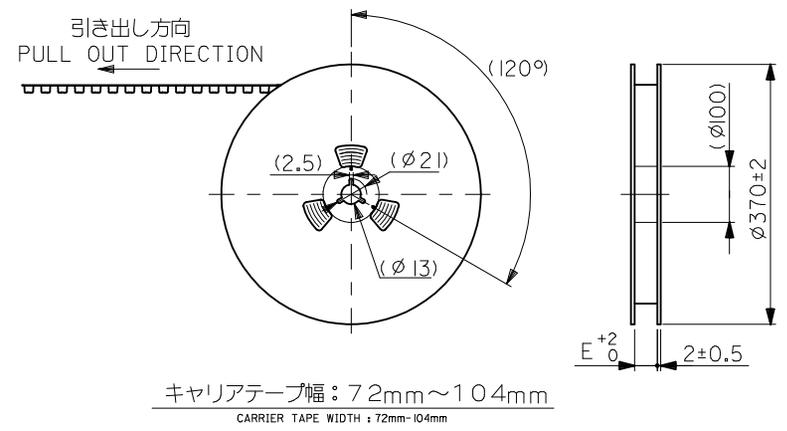
尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION)



- 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 : キャリアテープ幅 24mm~56mm : ポリスチレン
REEL : CARRIER TAPE WIDTH 24mm-56mm : POLYSTYRENE
キャリアテープ幅 72mm~104mm : 紙
CARRIER TAPE WIDTH 72mm-104mm : CARD BOARD

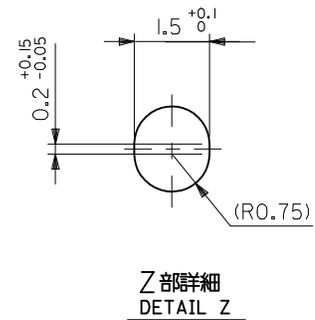
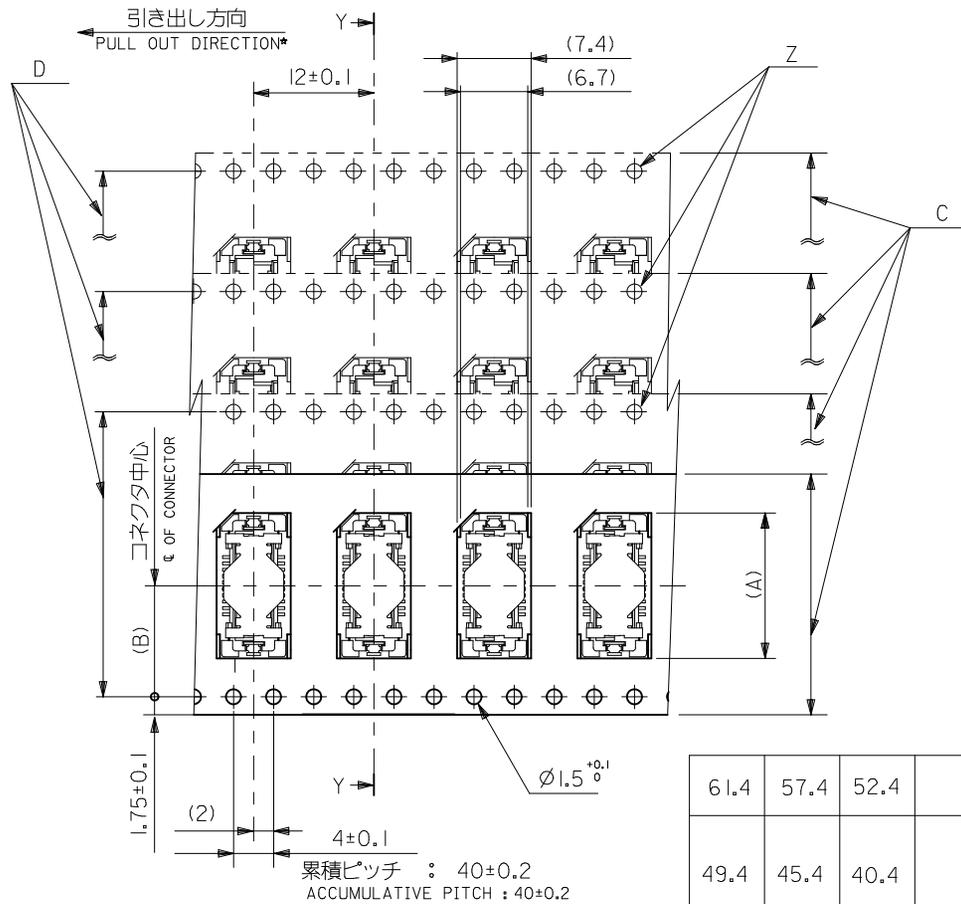
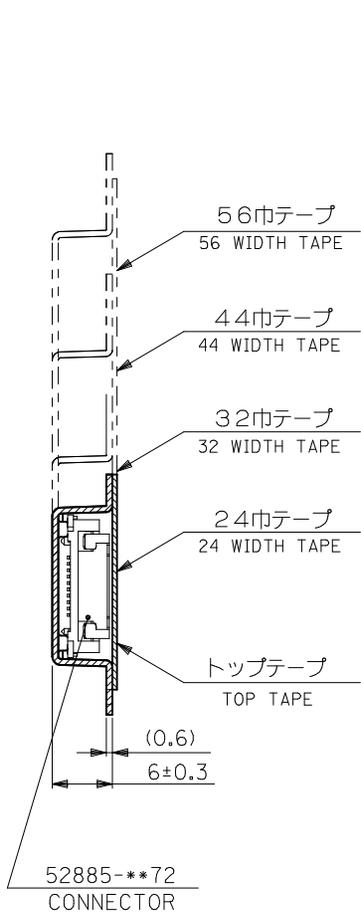


キャリアテープ幅 : 24mm~56mm
CARRIER TAPE WIDTH : 24mm-56mm



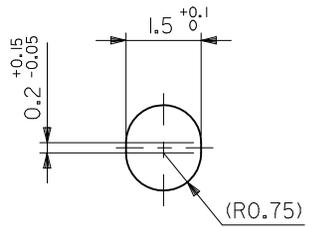
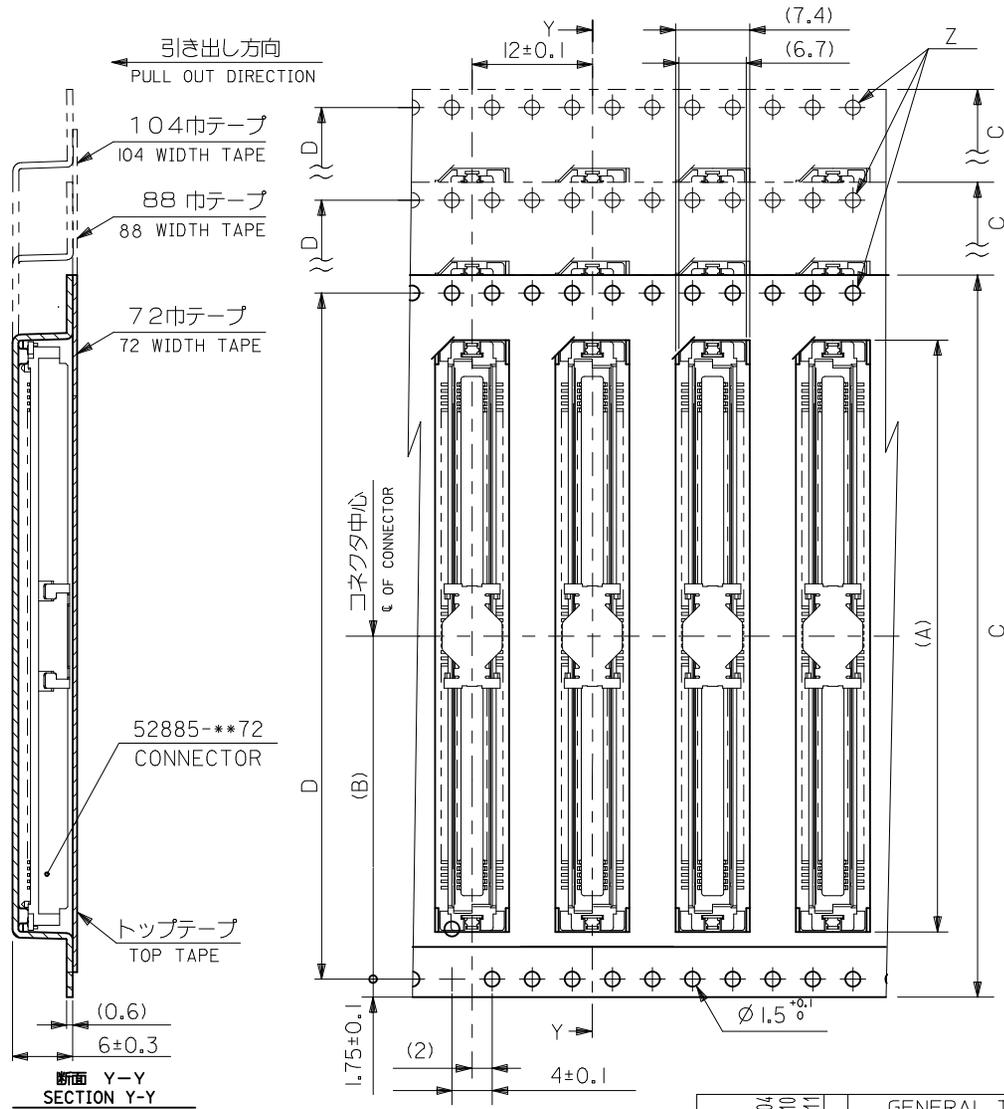
キャリアテープ幅 : 72mm~104mm
CARRIER TAPE WIDTH : 72mm-104mm

REVISED EC NO: J2010-2458 DRWN: KAIHO CHKD: K. TOJO APPR: MSASAO	DESCRIPTION 2010/06/04 2010/06/10 2010/06/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		CONNECTOR SERIES No.	52885-**72			
		10 UNDER	± ---	DRAWN BY	DATE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		10 OVER 30 UNDER	± ---	M. NAGATA	2004/02/25	---	METRIC	52885-**72 TAPING PACKAGE -LEAD FREE-		
		30 OVER	± ---	K. TOJO	2004/02/25	TITLE				
ANGULAR ± --- °		APPROVED BY	DATE	MATERIAL NO.		MOLEX INCORPORATED				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		M. SASAO	2004/02/25	SEE TABLE		DOCUMENT NO.		SHEET NO.		
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				A3	SD-52885-004		1 OF 3			



61.4	57.4	52.4	56 ^{+0.3}	26.2	39.9	52885-1074	100
					36.8	-0974	90
49.4	45.4	40.4	44 ^{+0.3}	20.2	33.6	-0874	80
					30.4	-0774	70
					27.2	-0674	60
					24.1	-0574	50
37.4	33.4	28.4	32 ^{+0.3}	14.2	20.9	-0474	40
					17.7	-0374	30
29.4	25.4	—	24 ^{+0.3}	11.5	14.5	52885-0274	20
F	E	D	C	キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	MATERIAL NO. 極致 CKT.NO.

REVISED EC NO: J2010-2458 DRWN:TKAIHO CHKD:K.TOJO APPR:MSASAO 2010/06/04 2010/06/10 2010/06/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		CONNECTOR SERIES No. 52885-***72
	10 UNDER	± ---	DRAWN BY M. NAGATA	DATE 2004/02/25	SCALE ---
	10 OVER 30 UNDER	± ---	CHECKED BY K. TOJO	DATE 2004/02/25	DESIGN UNITS METRIC
	30 OVER	± ---	APPROVED BY M. SASAO	DATE 2004/02/25	THIRD ANGLE PROJECTION
ANGULAR	± --- °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED SD-52885-004 SHEET NO. 2 OF 3	
SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



Z部詳細
DETAIL Z

104.4	100.4	104±0.3	50.2	84.4	52885-2474	240
88.4	84.4	88±0.3	42.2	71.7	52885-2074	200
72.4	68.4	72±0.3	34.2	59.0	52885-1674	160
				52.6	52885-1474	140
				46.3	52885-1274	120
E	D	C	キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	MATERIAL NO. 種数 CKT.NO.

累積ピッチ : 40±0.2
ACCUMULATIVE PITCH : 40±0.2

REVISED EC NO: J2010-2458 DRWN:TKAIHO 2010/06/04 CH'KD:K.TOJO 2010/06/10 APPR:MSASAO 2010/06/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		CONNECTOR SERIES No. 52885-**72	
	10 UNDER	±---	DRAWN BY	DATE	TITLE	
	10 OVER 30 UNDER	±---	M. NAGATA	2004/02/25	52885-**72 TAPING PACKAGE -LEAD FREE-	
	30 OVER	±---	CHECKED BY	DATE	MOLEX INCORPORATED	
	ANGULAR	±---°	K. TOJO	2004/02/25	MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY	DATE	MATERIAL NO.		DESIGN UNITS METRIC
		M. SASAO	2004/02/25	SEE TABLE		THIRD ANGLE PROJECTION
		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		3 OF 3