

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0528852474](#)
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, 240 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

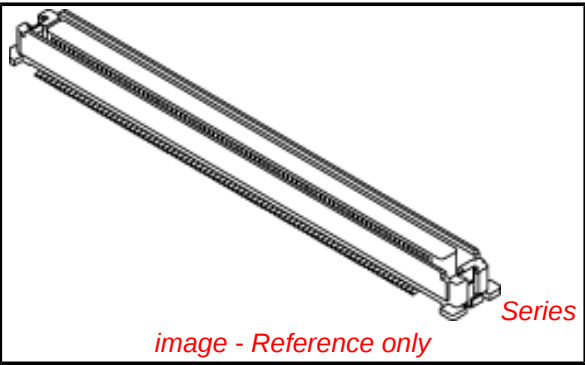
Circuits (Loaded)	240
Color - Resin	Natural
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Mated Height (mm)	10.00 mm, 5.00 mm, 6.00 mm, 7.00 mm, 8.00 mm, 9.00 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - 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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

F

E

D

C

B

A

F

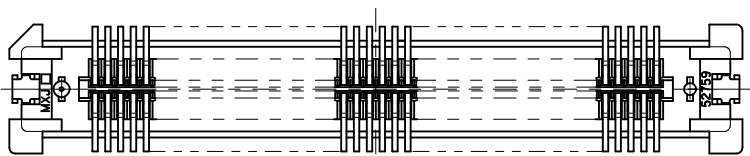
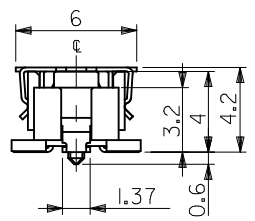
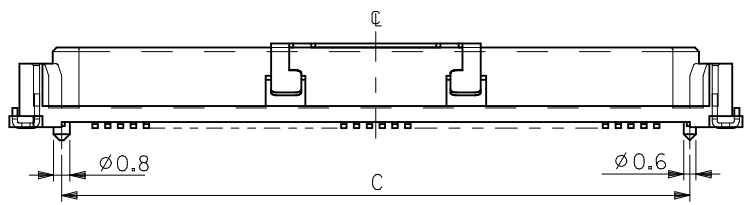
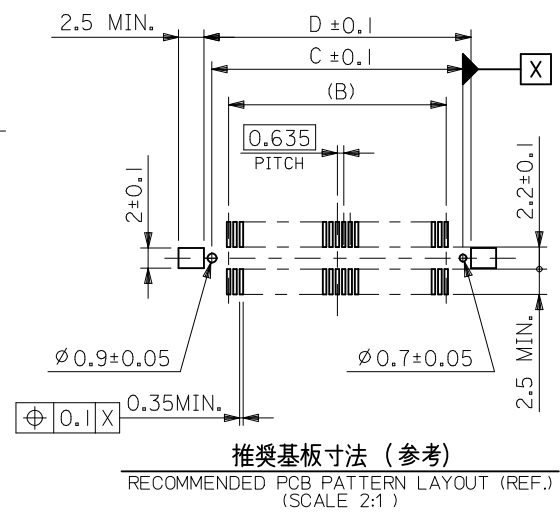
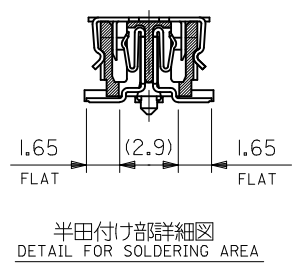
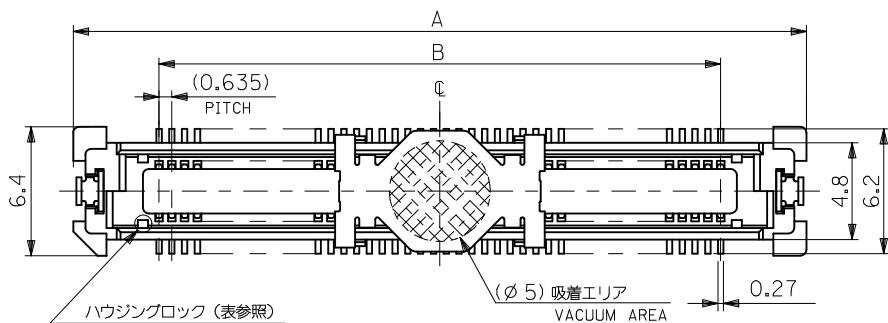
E

D

C

B

A



- 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
ターミナル: 半田付け部: 銅メッキ 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: 銅メッキ 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

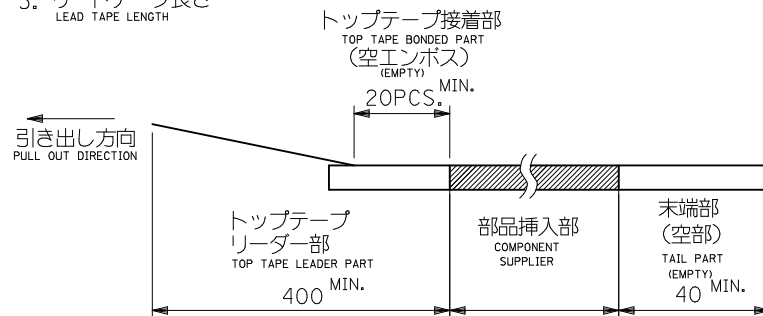
- テールのバラツキ寸法
TAIL COPLANARITY
240極以下品のテール平坦度は0.1MAX.、
240極品のテール平坦度は0.12MAX.とする。
TAILS COPLANARITY TO BE 0.1MAX.
IN 240 CIRCUITS, TAILS COPLANARITY TO BE 0.12MAX.
- エンボス対応済みの極数については、SD-52885-004を参照下さい。
FOR THE EMBOSSED PACKAGE PRODUCTS, SEE SD-52885-004.

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
	13.8	12.2	8.89	17.4	-0374	30
ハウジングロック HS'G LOCK	D	C	B	A	エンボス梱包 EMBOSSED PACKAGING	極数 CKT. NO.
CONNECTORS SERIES No.					52885-***72	

REVISED EC NO: J2010-2458 DRWN:TKAHO CHKD:K. TOJO APPR:MSASAO REV C	DESCRIPTION 2010/06/04 2010/06/10 2010/06/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		---	METRIC		
		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				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/02/25	MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52885-003		1 OF 1	
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

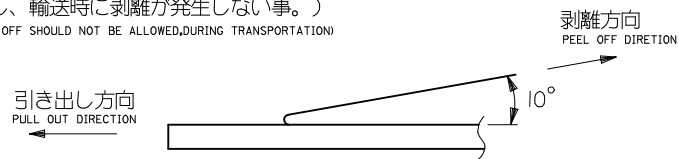
注)
NOTES

- 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

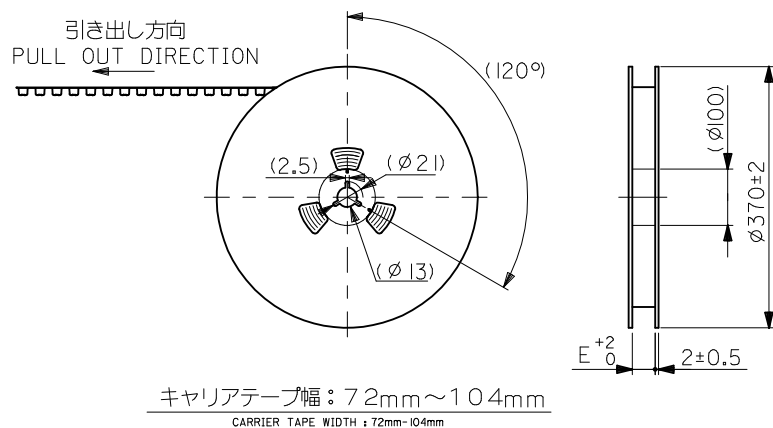
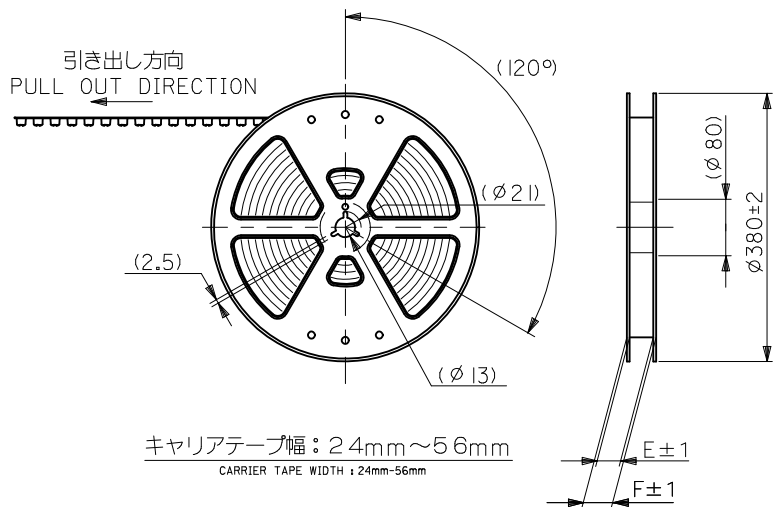


- トップテープの剥離強度 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0.1~0.3N {10~130gf}

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



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

F

E

D

C

B

A

F

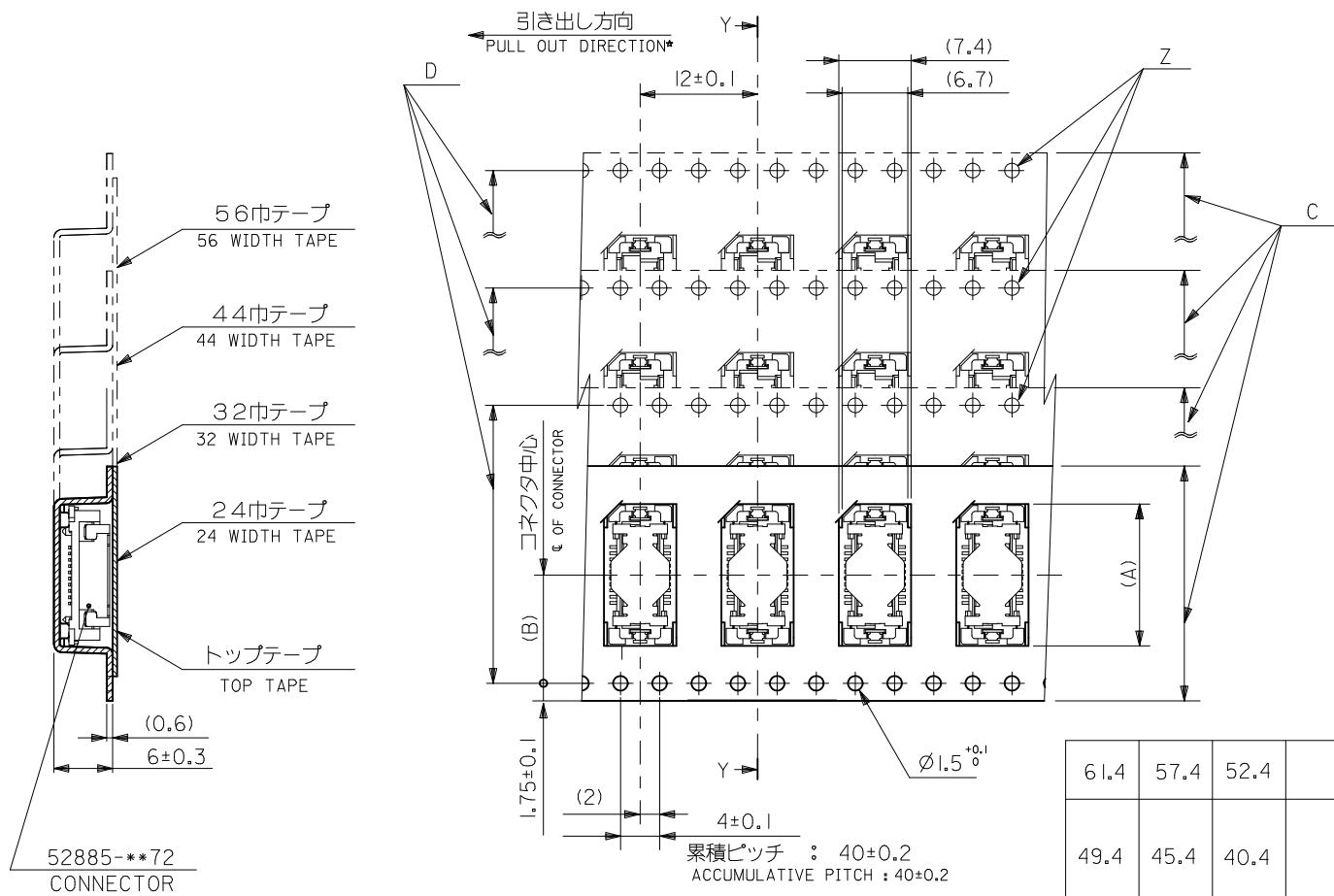
E

D

C

B

A

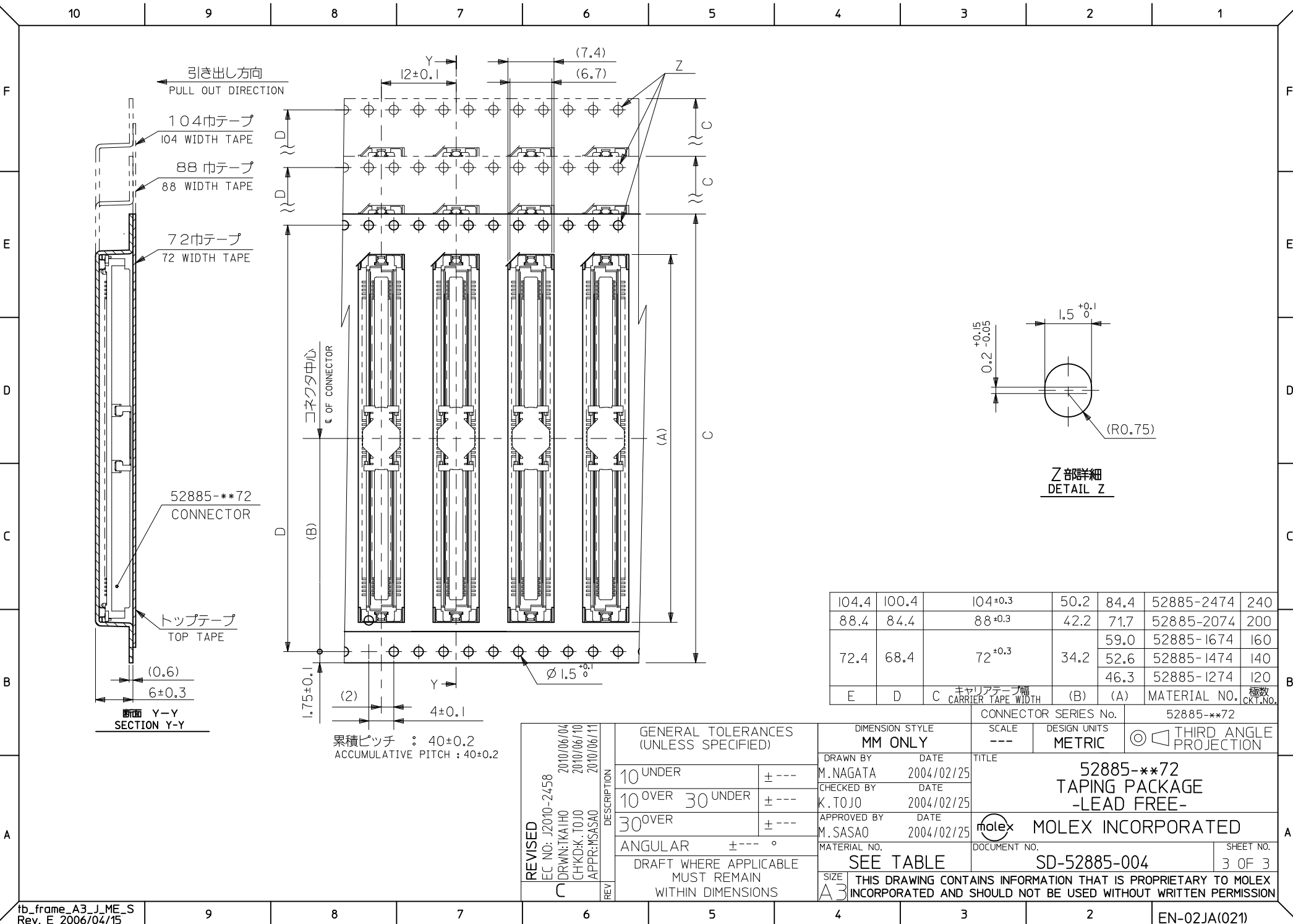


断面 Y-Y
SECTION Y-Y

Z部詳細
DETAIL Z

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:TKA/HO CHKD:K.TOJO APPR:MSASAO C	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE		
				MM ONLY		---	METRIC	PROJECTION		
		10 UNDER	± ---	DRAWN BY M.NAGATA	DATE 2004/02/25	TITLE 52885-**72 TAPING PACKAGE -LEAD FREE-				
		10 OVER 30 UNDER	± ---	CHECKED BY K.TOJO	DATE 2004/02/25					
		30 OVER	± ---	APPROVED BY M.SASAO	DATE 2004/02/25	MOLEX INCORPORATED				
	ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52885-004				2 OF 3	
REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



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.

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