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Part Number:

0525592234

Status:

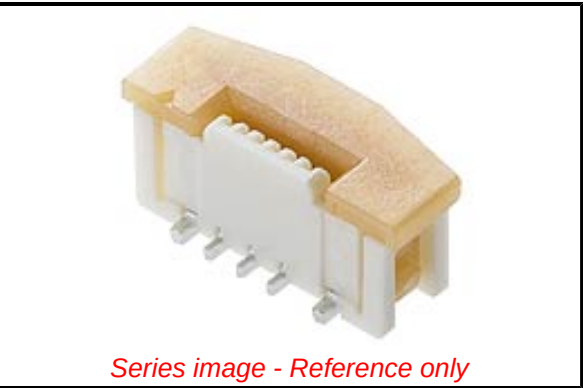
Active

Overview:

Easy-On FFC FPC Connectors

Description:

Easy-On FFC/FPC Connector, 0.50mm Pitch, Slider Series, Vertical, 3.90mm Height, 22 Circuits, Tin-Silver-Bismuth Plating



Documents:	
3D Model	Packaging Specification SPK-52559-004-001 (PDF)
3D Model (PDF)	Datasheet (PDF)
Drawing (PDF)	Product Guide (PDF)
Product Specification PS-52559-019-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification 525590003-A00 (PDF)	Reference Guide (PDF)

Agency Certification	
UL	E29179
General	
Product Family	FFC/FPC Connectors
Series	52559
Overview	Easy-On FFC FPC Connectors
Product Name	Easy-On
Series Name	Slider
UPC	887191347363
Physical	
Actuator Type	Slider
Circuits (Loaded)	22
Color - Resin	Natural
Contact Position	N/A
Durability (mating cycles max)	20
Flammability	94V-0
Mated Height	3.90mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin-Silver-Bismuth
Material - Plating Termination	Tin-Silver-Bismuth
Material - Resin	Nylon
Net Weight	292.784/mg
Number of Rows	1
Orientation	Vertical
PC Tail Length	2.00mm
PCB Locator	No
PCB Mounting	Surface Mount
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-40° to +85°C
Wire/Cable Type	FFC/FPC
Electrical	
Current - Maximum per Contact	0.5A
Voltage - Maximum	50V
Material Info	
Reference - Drawing Numbers	

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2020)9139-DC (19 Jan 2021)	
Halogen-Free	
Status	
Not Low-Halogen	
For more information, please visit Contact US	
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

52559 Series

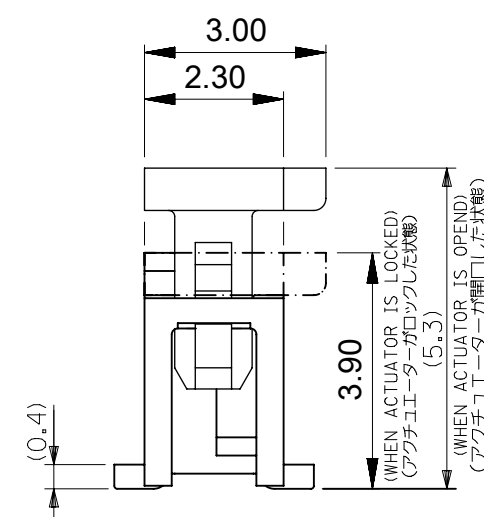
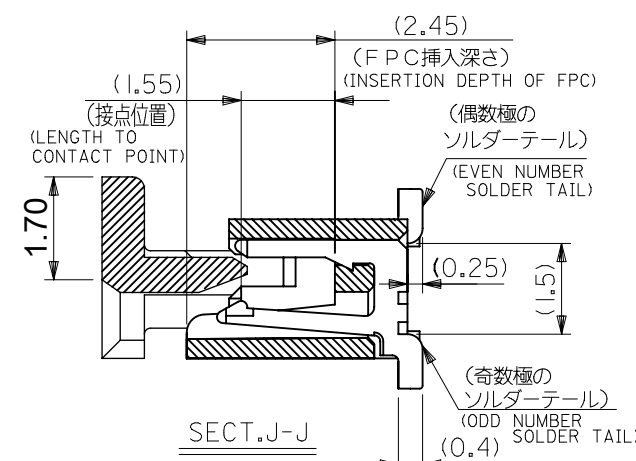
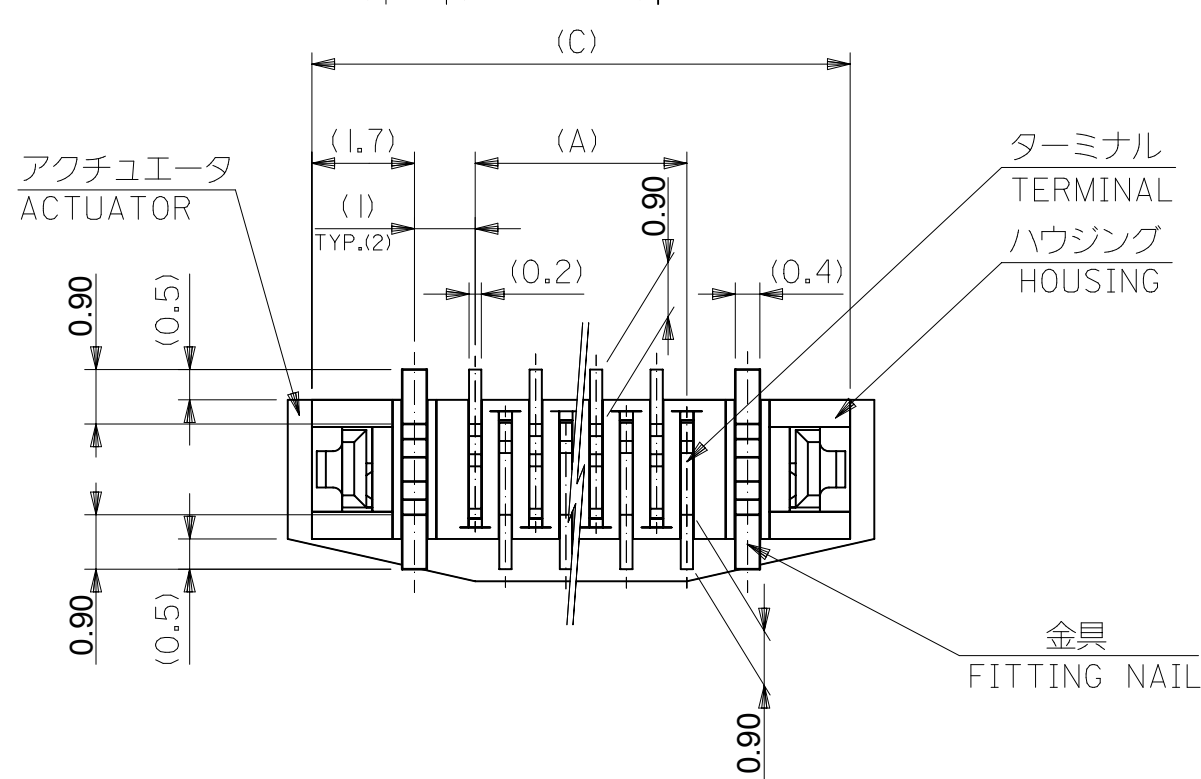
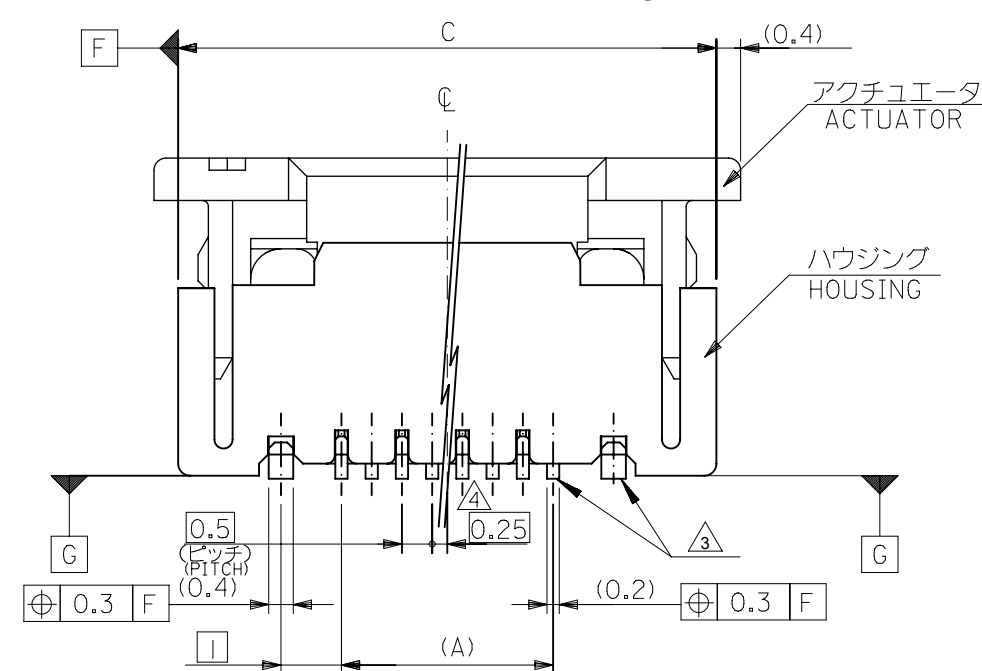
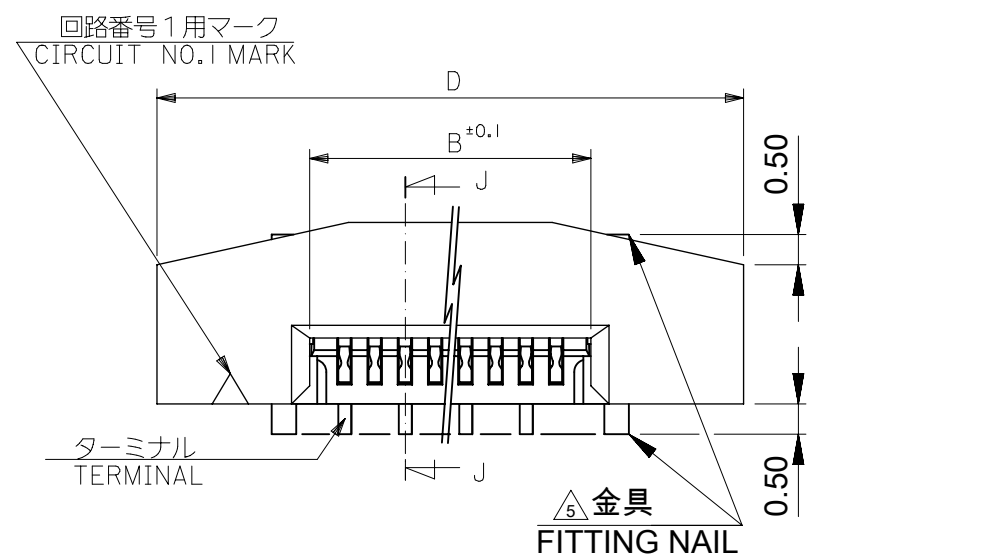
Mates With

Premo-Flex FFC Cable [15166](#) , [98266](#) , [15266](#) , [15366](#)

Application Specification	525590003-A00
Packaging Specification	SPK-52559-004-001
Product Specification	PS-52559-019-001
Sales Drawing	SD-52559-059-001

This document was generated on 04/06/2021

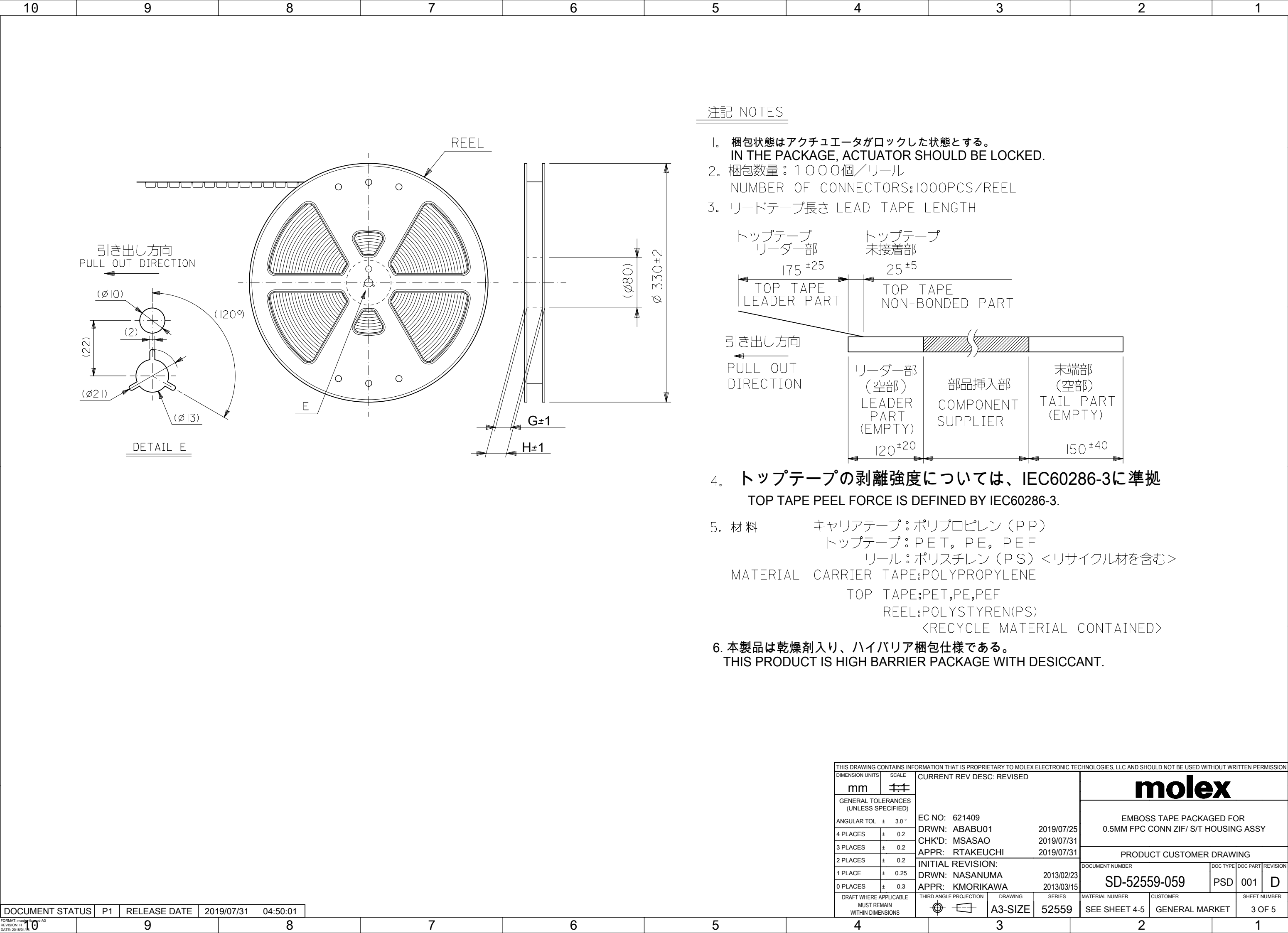
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注記 NOTES

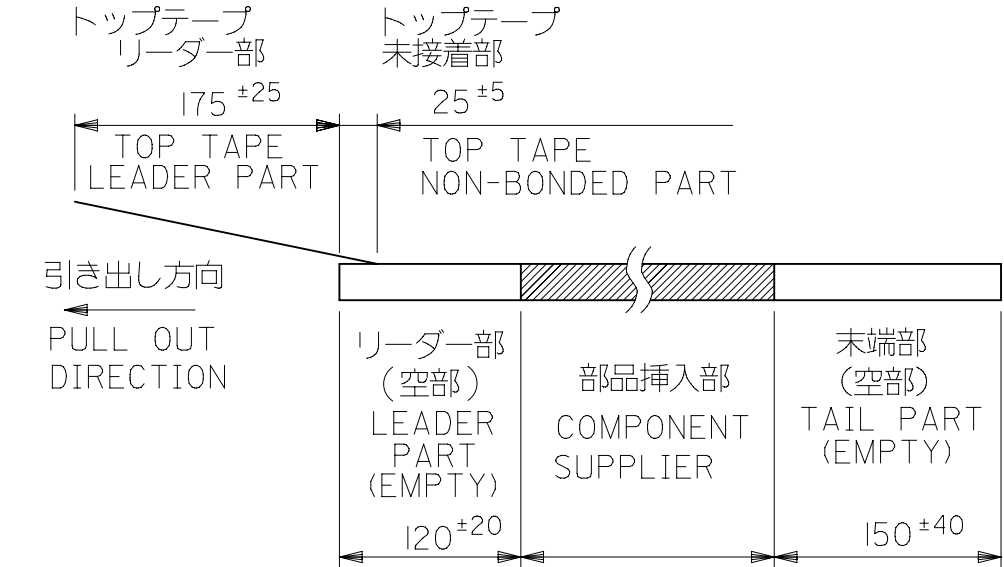
1. 材質 MATERIAL
ハウジング：ポリアミド（PA）、ガラス充填、ナチュラル（白）、UL94V-0
HOUSING：POLYAMIDE，GLASS FILLED，NATURAL，UL94V-0
アクチュエータ：ポリフェニレンサルファイド(PPS)、ガラス充填、ナチュラル、UL94V-0
ACTUATOR：POLYPHENYRENE SULFIDE，GLASS FILLED，
NATURAL(BROWN)，UL94V-0
ターミナル：銅合金（t=0.2）
TERMINAL：COPPER ALLOY（t=0.2）
金具：銅合金（t=0.4）
NAIL：COPPER ALLOY（t=0.4）
2. めっき仕様 PLATING
ターミナル TERMINAL
錫銀ビスマスめっき（1.0μm以上）
下地：ニッケルめっき（1.0μm以上）
TIN SILVER BISMUTH PLATING
（1.0 MICROMETER MINIMUM）
UNDER PLATE：NICKEL PLATING
（1.0 MICROMETER MINIMUM）
金具 FITTING NAIL
錫めっき（1.0μm以上）
下地：ニッケルめっき（1.0μm以上）
TIN PLATING
（1.0 MICROMETER MINIMUM）
UNDER PLATE：NICKEL PLATING
（1.0 MICROMETER MINIMUM）
- △3. ソルダータール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 G に対し上方向0.05MAXIMUM、下方向0.15MAXIMUMとする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM DATUM-G UPPER DIRECTION：0.05MAXIMUM
LOWER DIRECTION 0.15MAXIMUM.
- △4. 偶数極に適用
APPLY FOR EVEN CIRCUIT
- △5. パターンはくり止めよう金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B PATTERN.
- △6. R0.3はFPCの導体部にかからないこと
R0.3 MUST NOT BE OVERLAPED TO PATTERN OF FPC.
7. ソルダータールの平坦度は、0.12 MAXIMUMとする。
SOLDER TAIL COPLANARITY IS 0.12 MAXIMUM.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED				molex							
mm		8:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN ZIF/ S/T HOUSING ASSY											
ANGULAR TOL ± 3.0°															
4 PLACES		± 0.2													
3 PLACES		± 0.2		PRODUCT CUSTOMER DRAWING											
2 PLACES		± 0.2													
1 PLACE		± 0.25		DOCUMENT NUMBER SD-52559-059											
0 PLACES		± 0.3													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		52559		SEE SHEET 2		GENERAL MARKET		1 OF 5	



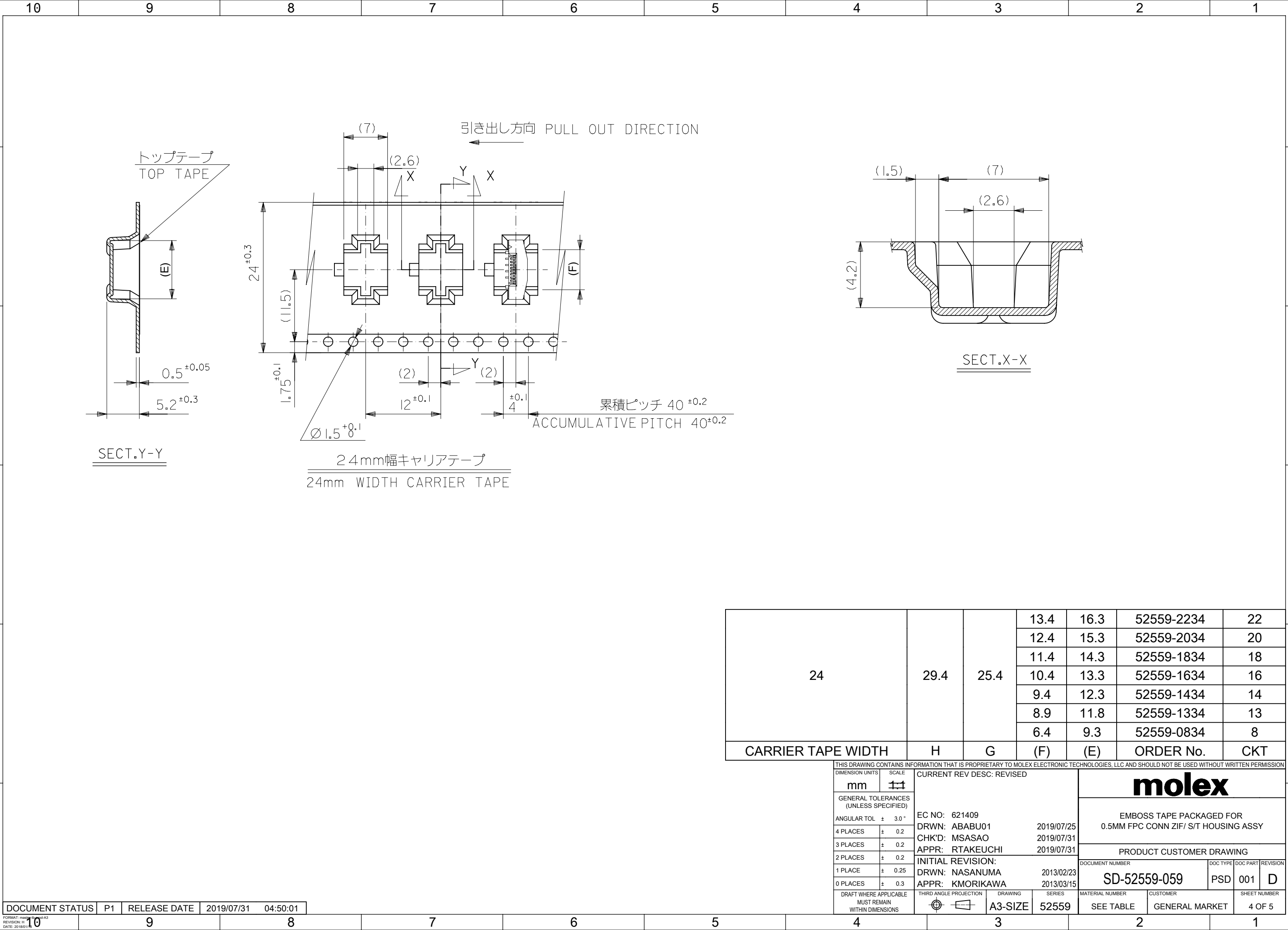
注記 NOTES

- 1. 梱包状態はアクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR SHOULD BE LOCKED.
- 2. 梱包数量：1 0 0 0 個／リール
NUMBER OF CONNECTORS:1000PCS/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については、IEC60286-3に準拠
TOP TAPE PEEL FORCE IS DEFINED BY IEC60286-3.
- 5. 材料 キャリアテープ：ポリプロピレン（PP）
 トップテープ：PET，PE，PEF
 リール：ポリスチレン（PS）＜リサイクル材を含む＞
MATERIAL CARRIER TAPE:POLYPROPYLENE
 TOP TAPE:PET,PE,PEF
 REEL:POLYSTYREN(PS)
 ＜RECYCLE MATERIAL CONTAINED＞
- 6. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.

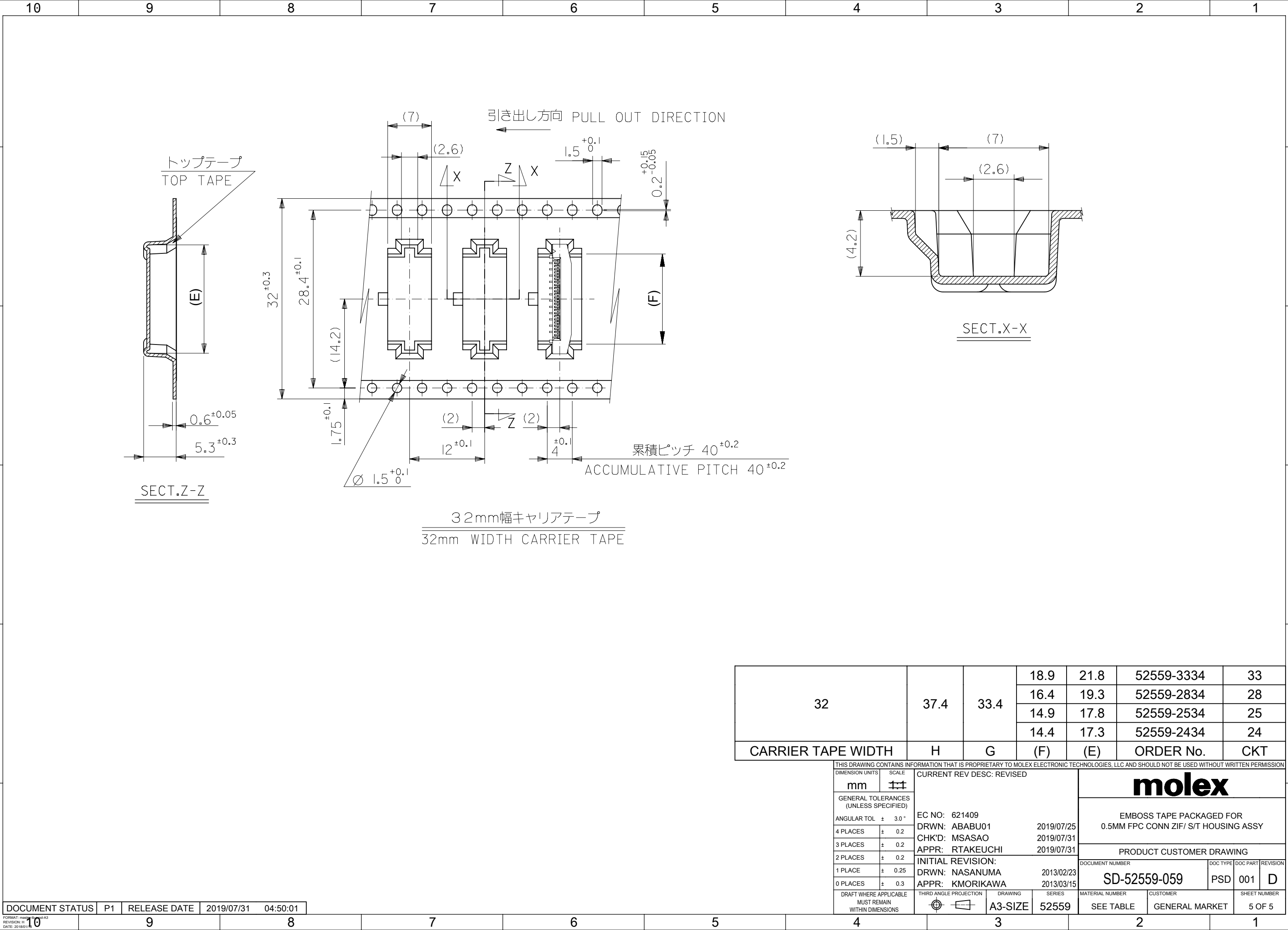
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DIMENSION UNITS		SCALE	CURRENT REV DESC: REVISED				molex				
mm											
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 621409 DRWN: ABABU01 2019/07/25 CHK'D: MSASAO 2019/07/31 APPR: RTAKEUCHI 2019/07/31 EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN ZIF/ S/T HOUSING ASSY								
ANGULAR TOL ± 3.0 °											
4 PLACES		± 0.2									
3 PLACES		± 0.2									
2 PLACES		± 0.2									
1 PLACE		± 0.25	PRODUCT CUSTOMER DRAWING								
0 PLACES		± 0.3									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			INITIAL REVISION: DRWN: NASANUMA 2013/02/23 APPR: KMORIKAWA 2013/03/15				DOCUMENT NUMBER SD-52559-059		DOC TYPE PSD	DOC PART 001	REVISION D
THIRD ANGLE PROJECTION 			DRAWING A3-SIZE		SERIES 52559	MATERIAL NUMBER SEE SHEET 4-5		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 5	



24	29.4	25.4	13.4	16.3	52559-2234	22
			12.4	15.3	52559-2034	20
			11.4	14.3	52559-1834	18
			10.4	13.3	52559-1634	16
			9.4	12.3	52559-1434	14
			8.9	11.8	52559-1334	13
			6.4	9.3	52559-0834	8
CARRIER TAPE WIDTH	H	G	(F)	(E)	ORDER No.	CKT

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED	molex					
mm										
GENERAL TOLERANCES (UNLESS SPECIFIED)										
ANGULAR TOL		±	3.0 °		EC NO: 621409					
4 PLACES		±	0.2		DRWN: ABABU01		2019/07/25			
3 PLACES		±	0.2		CHK'D: MSASAO		2019/07/31			
2 PLACES		±	0.2		APPR: RTAKEUCHI		2019/07/31			
1 PLACE		±	0.25	INITIAL REVISION:						
0 PLACES		±	0.3	DRWN: NASANUMA		2013/02/23				
				APPR: KMORIKAWA		2013/03/15				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
						A3-SIZE	52559	SEE TABLE	GENERAL MARKET	4 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2019/07/31	04:50:01
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32	37.4	33.4	18.9	21.8	52559-3334	33
			16.4	19.3	52559-2834	28
			14.9	17.8	52559-2534	25
			14.4	17.3	52559-2434	24
CARRIER TAPE WIDTH	H	G	(F)	(E)	ORDER No.	CKT

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED	molex EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN ZIF/ S/T HOUSING ASSY												
mm																	
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL		± 3.0 °															
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE
						A3-SIZE		52559		SD-52559-059		PSD		001		D	
										SEE TABLE		GENERAL MARKET				5 OF 5	
DOCUMENT STATUS		P1		RELEASE DATE		2019/07/31		04:50:01									