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Part Number:

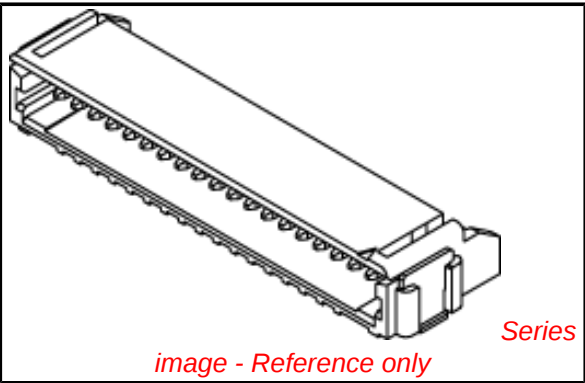
0554561069

Status:

Active

Description:

1.25mm (.049") Pitch Mi II™ System Wire-to-Board Header, Single Row, Right Angle, SMT, 10 Circuits, without Plastic Peg, Lead-free



Documents:	
3D Model	Product Specification PS-54596-022 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	55456
Application	Wire-to-Board
Product Name	Mini Mi II™
Physical	
Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height (in)	0.177 In
Mated Height (mm)	4.50 mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.000 In
PC Tail Length (mm)	0.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.000 In
PCB Thickness Recommended (mm)	0.00 mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Pitch - Term. Interface (in)	0.049 In
Pitch - Term. Interface (mm)	1.25 mm
Plating min: Mating (µin)	40
Plating min: Mating (µm)	1.00
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1.00
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

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

55456Series

Mates With

54596 IDT Receptacle Housing

Electrical

Current - Maximum per Contact	1.5A, 1A
Voltage - Maximum	100V AC (RMS)/DC

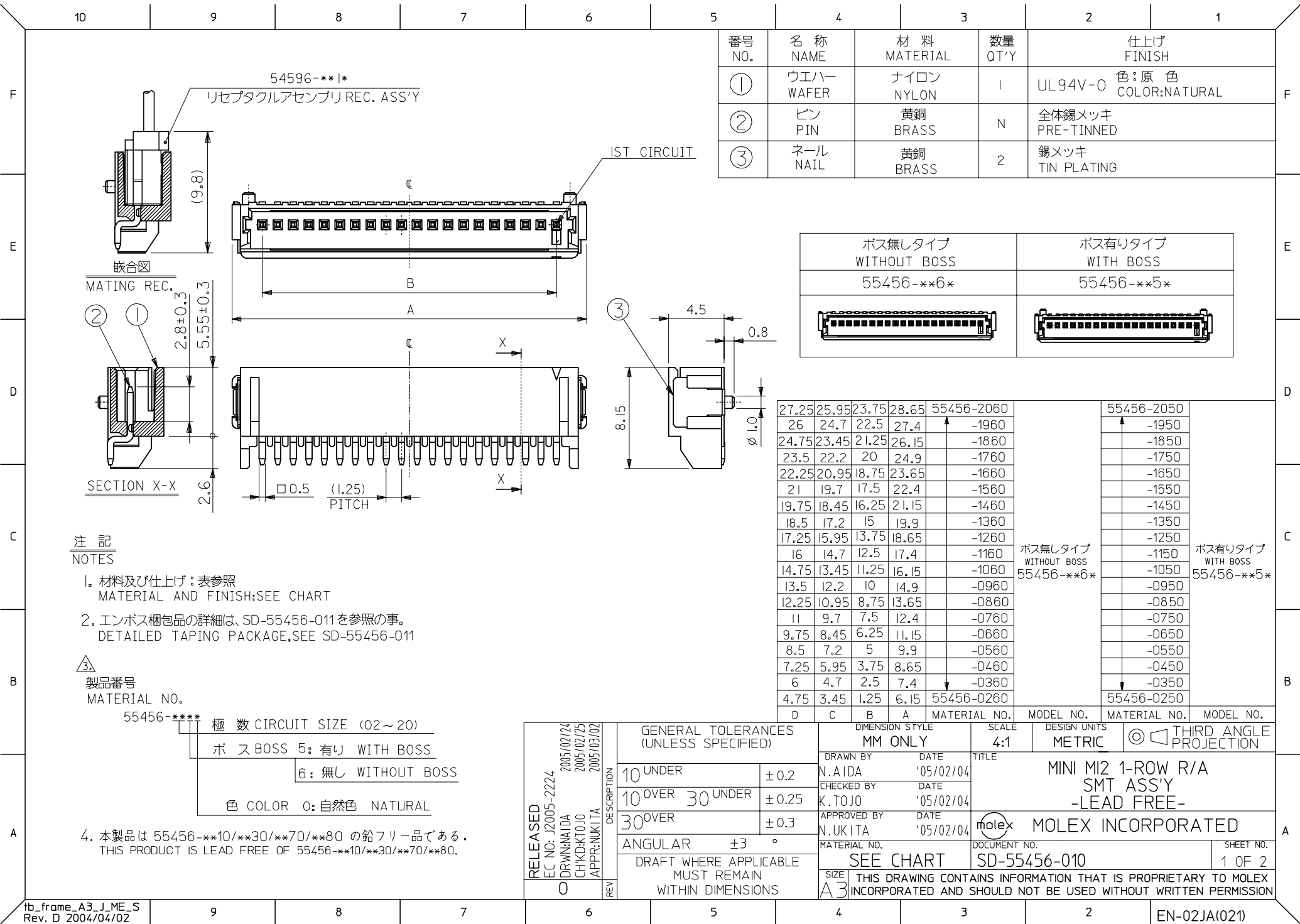
Material Info

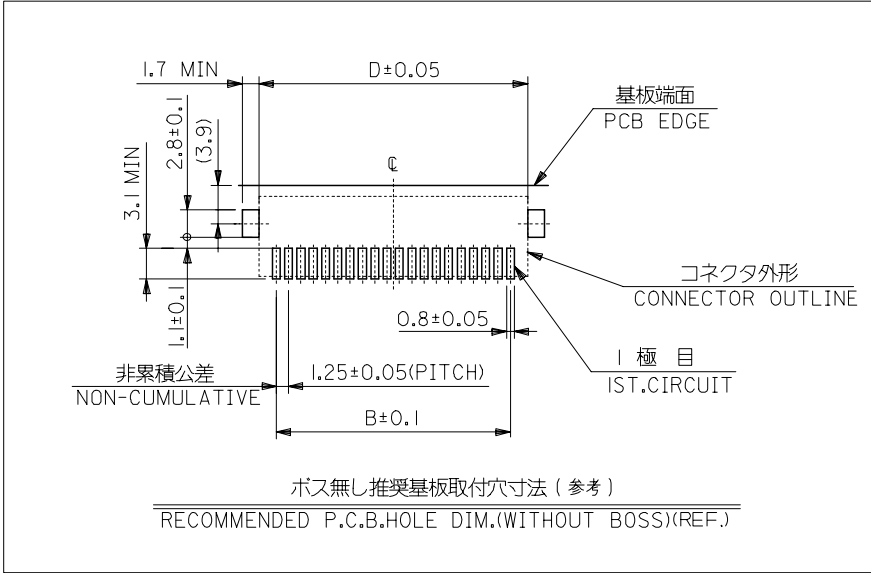
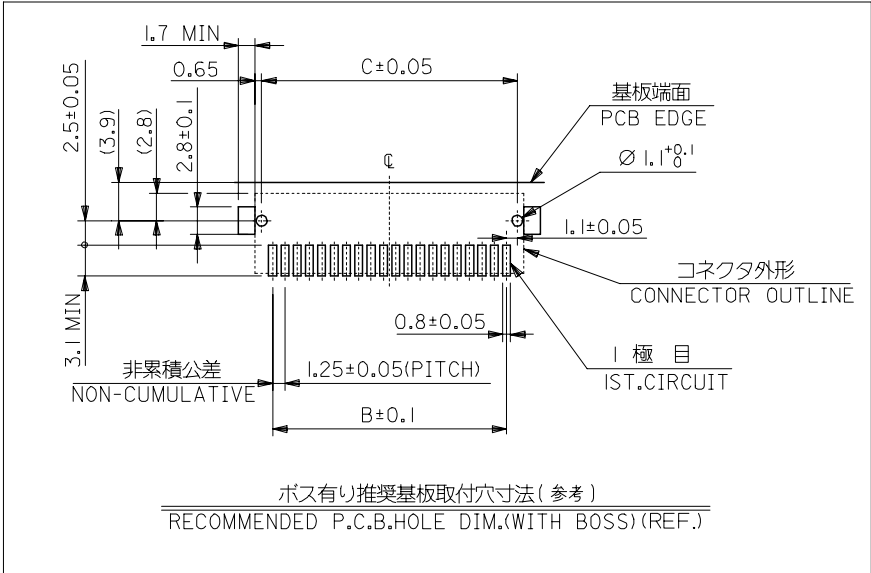
Reference - Drawing Numbers

Packaging Specification	SPK-55456-001
Product Specification	PS-54596-022, RPS-54596-025, RPS-54596-026
Sales Drawing	SD-55456-010, SD-55456-011

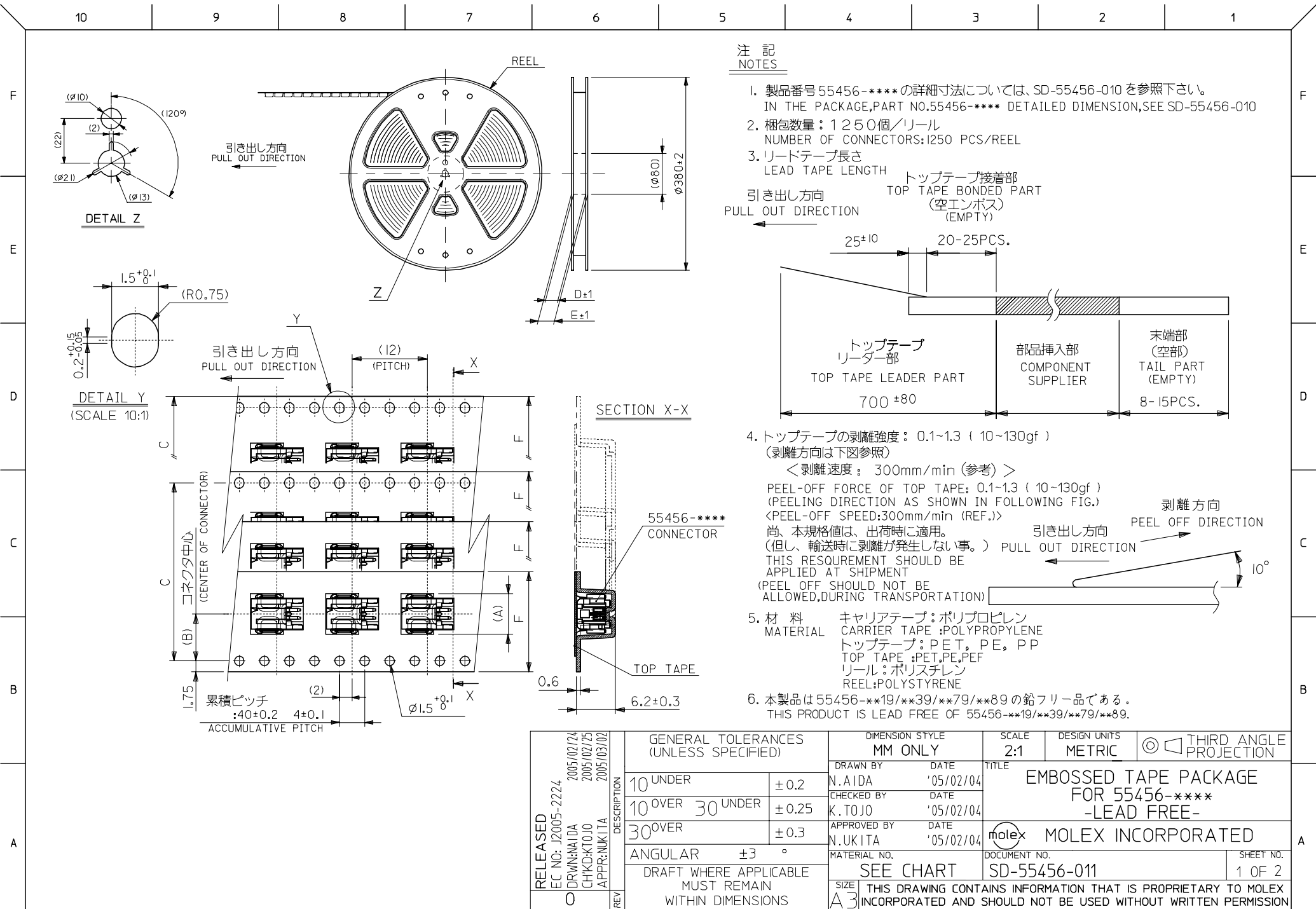
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RELEASED EC NO: J2005-2224 DRAWN: AIDA CHKD: KTOJO APPR: NUKITA 0	2005/02/24 2005/02/25 2005/03/02	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			10 UNDER	±0.2	DRAWN BY N. AIDA	DATE '05/02/04	TITLE MINI MI2 1-ROW R/A SMT ASS'Y -LEAD FREE- MOLEX INCORPORATED		
			10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE '05/02/04			
			30 OVER	±0.3	APPROVED BY N. UKITA	DATE '05/02/04			
			ANGULAR ±3 °		MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART			SD-55456-010	
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



44	49.4	45.4	40.4	20.2	28.95	55456-2060	55456-2069	55456-***69 ボス無し WITHOUT BOSS	55456-2050	55456-2059	55456-***59 ボス有り WITH BOSS	20	0 K			
					27.7	↑	-1960		↑	-1969		↑	↑	↑	19	N O
					26.45		-1860			-1869					18	O K
					25.2		-1760			-1769					17	N O
					23.95		-1660			-1669					16	O K
					22.7		-1560			-1569					15	N O
					21.45		-1460			-1469					14	N O
					20.2		-1360			-1369					13	O K
32	37.4	33.4	28.4	14.2	18.95	-1260	-1269	55456-***69 ボス無し WITHOUT BOSS	-1250	-1259	55456-***59 ボス有り WITH BOSS	12	O K			
					17.7	-1160	-1169		-1150	-1159		11	O K			
					16.45	-1060	-1069		-1050	-1059		10	O K			
					15.2	-0960	-0969		-0950	-0959		9	N O			
24	29.4	25.4	—	11.5	13.95	-0860	-0869	55456-***69 ボス無し WITHOUT BOSS	-0850	-0859	55456-***59 ボス有り WITH BOSS	8	N O			
					12.7	-0760	-0769		-0750	-0759		7	O K			
					11.45	-0660	-0669		-0650	-0659		6	N O			
					10.2	-0560	-0569		-0550	-0559		5	O K			
					8.95	-0460	-0469		-0450	-0459		4	O K			
					7.7	↓	-0360		↓	-0369		↓	↓	↓	↓	3
16	21.4	17.4	—	7.5	6.45	55456-0260	55456-0269	55456-***69 ボス無し WITHOUT BOSS	55456-0250	55456-0259	55456-***59 ボス有り WITH BOSS	2	O K			
F	キャリアテープ幅 TAPE WIDTH	E	(D)	(C)	(B)	(A)	CONNECTOR	エンボス梱包品 製品番号 MATERIAL NO.	MODEL NO.	CONNECTOR	エンボス梱包品 製品番号 MATERIAL NO.	MODEL NO.	極 数 CIRCUIT SIZE	量産対応 AVAILABLE		

RELEASED EC NO: J2005-2224 DRAWN: NADA CHKD: KTOJO APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY N.AIDA	DATE '05/02/04	TITLE EMBOSSED TAPE PACKAGE FOR 55456-**** -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K.TOJO	DATE '05/02/04					
		30 OVER	± 0.3	APPROVED BY N.UKITA	DATE '05/02/04					
		ANGULAR ±3 °		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-55456-011		SHEET NO. 2 OF 2		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED							
REV	0			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					