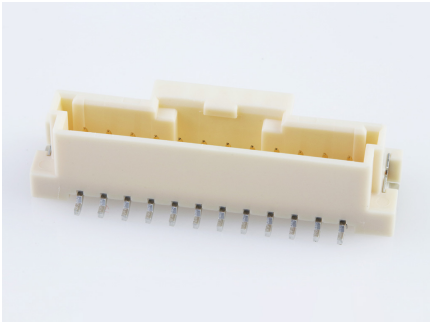
产品编号 ： 5600201230

Product Description ： DuraClik Wire-to-Board Header, Single Row, Vertical, 12 Circuits, Gold (Au) Over Nickel, Natural

系列号 ： 560020

状态 ： Active

Product Category ： PCB Headers and Receptacles



文件和资源

图纸

图纸　5600201230_sd.pdf

3D 模型和设计文件

3D模型　5600201230_stp.zip

规格

产品规格　PS-502351-002-001.pdf

产品规格　5051510002-000.pdf

产物环境合规

合规

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

多部分行业合规性文件

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	PCB Headers and Receptacles
系列	560020
说明	DuraClik Wire-to-Board Header, Single Row, Vertical, 12 Circuits, Gold (Au) Over Nickel, Natural
应用	Automotive, Signal, Wire-to-Board
个评论	The Operating Temperature Range when used with DuraClik series 502351 is -40° C to +105° C. It is -40° C to 125° C when used with DuraClik ISL series 560123 or TPA series 505151.
元件类型	PCB Header
产品系列	DuraClik Connector System
产品名称	DuraClik
UPC	887191751146

机构

UL	E29179

电气

每触点最大电流	3.0A
电压 - 最大	125V AC (RMS)/DC

物理

断开	否
回路数（已载入）	12
电路数（最多）	12

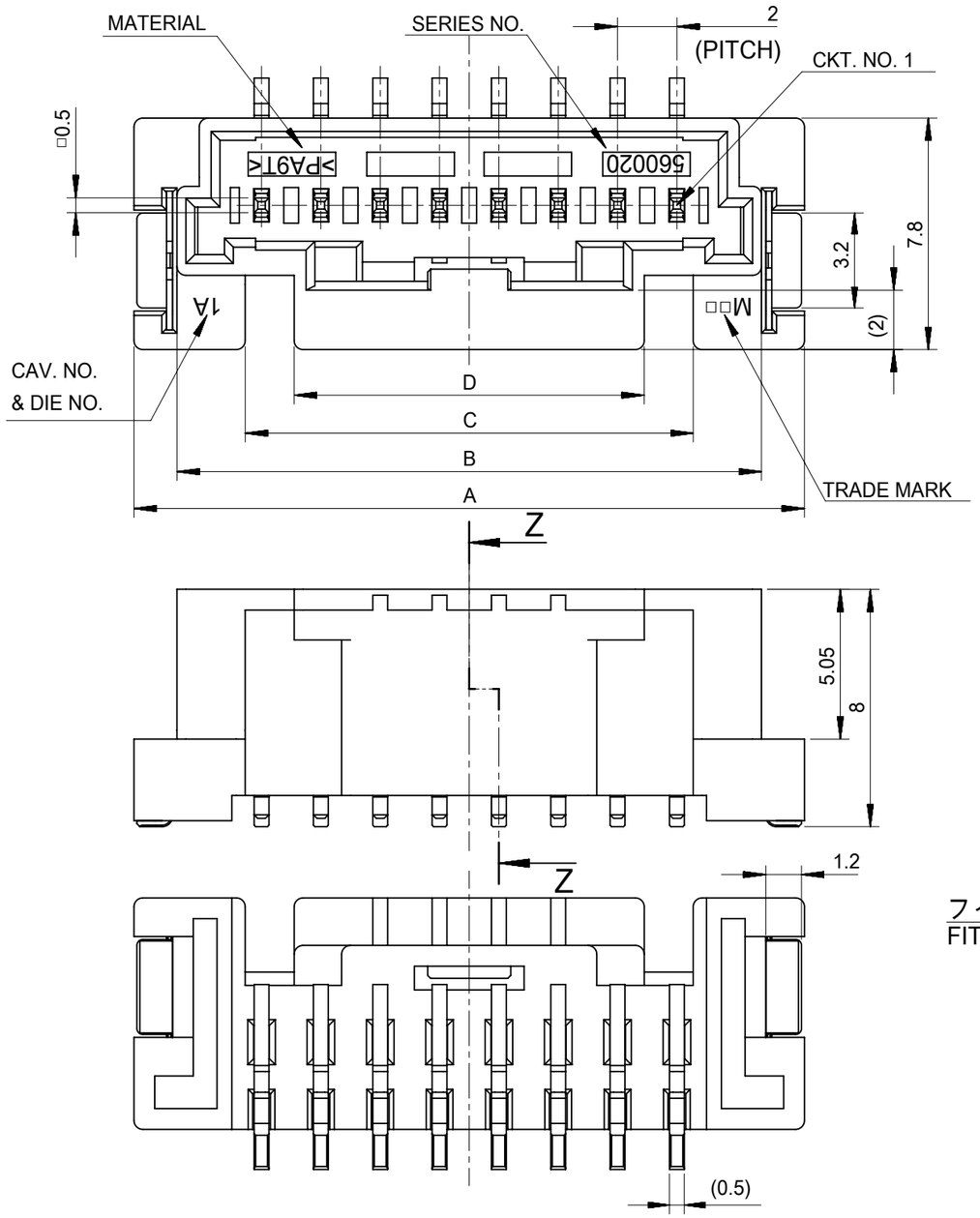
颜色-树脂	Natural
耐用性(插拔次数) - 最多次数	30
先接后断	否
阻燃性	SC-0
符合灼热丝规范	否
插接极性	无
锁定插接部位	是
材料 - 金属	Copper Alloy
材料 - 接合部位电镀	金牌
材料 - 树脂	Polyamide
净重	1.400/g
行数	1
方向	垂直
包装形式	Embossed Tape on Reel
PCB 定位器	否
PCB 保持力	是
间距 - 插配接口	2.00mm
有极性的插配件	是
PCB 极性	是
可堆叠的	否
运行温度范围	-40° to +105° C, -40° to +125° C
终端界面类型	Surface Mount

可配插/可连接使用的产品

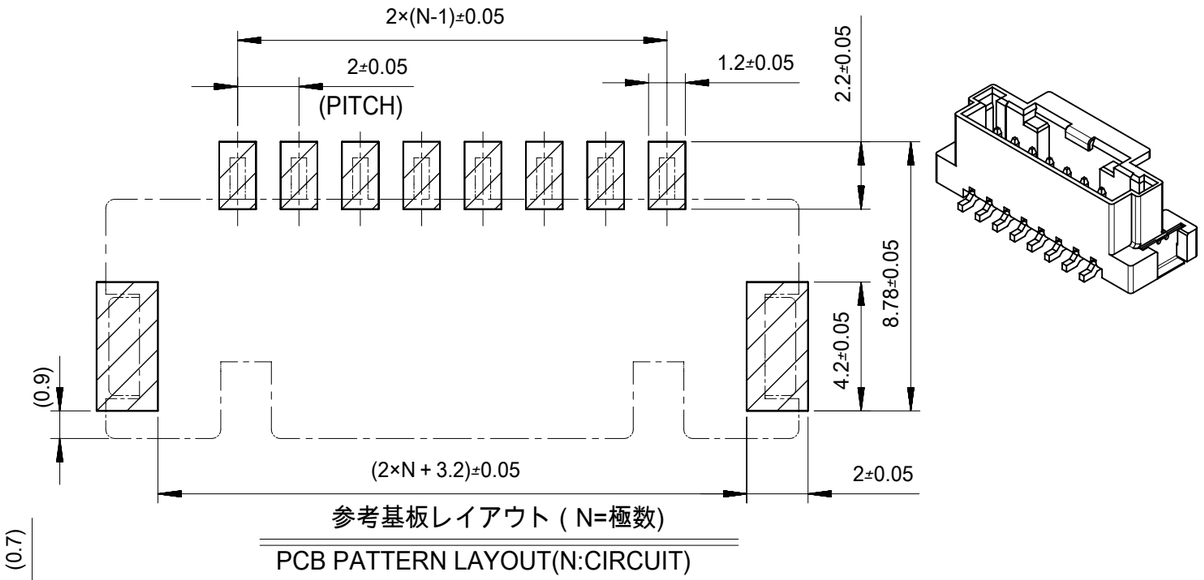
可配插部件

描述	产品编号
DuraClik Single Row Receptacle Housings	502351
DuraClik TPA Single Row Receptacle Housings	505151
DuraClik ISL Single Row Receptacle Housings	560123

This document was generated on Jan 30, 2024

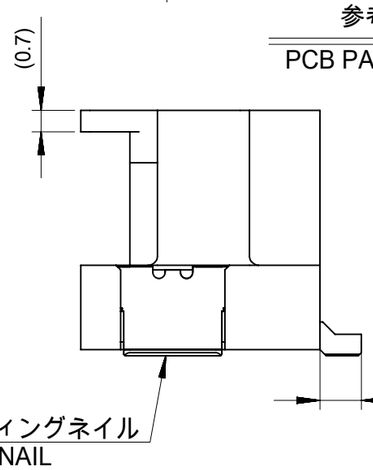


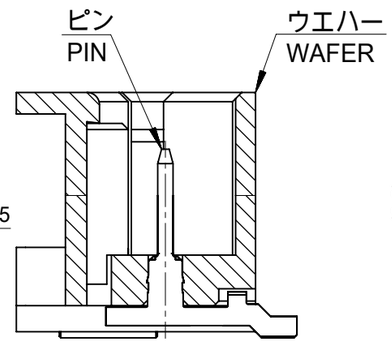
8CKTS



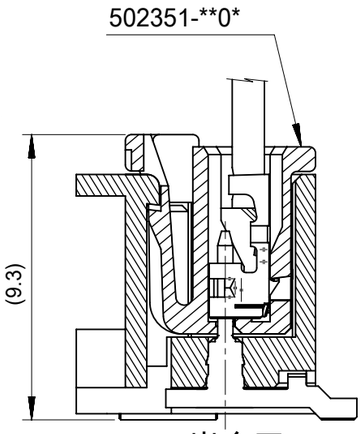
参考基板レイアウト (N=極数)

PCB PATTERN LAYOUT(N:CIRCUIT)





SECTION Z-Z



嵌合図

MATED DRAWING

注記
NOTES

1．材質
ウエハー：耐熱性ナイロン UL94V-0
ピン：銅合金、ニッケル下地、錫メッキ、金メッキ
フィッティングネール：銅合金、ニッケル下地、錫メッキ
MATERIAL
WAFER: POLYAMIDE UL94V-0
PIN: COPPER ALLOY,GOLD OR TIN OVER NICKEL PLATE.
FINNTING NAIL: COPPER ALLOY, TIN OVER NICKEL PLATE.

2．色：ナチュラル、黒、赤、青
COLOR: NATURAL, BLACK, RED, BLUE

3．嵌合相手：
ハウジング:502351-**0*
錫メッキ端子:50212-8*00,50372-8*00,560085-0101
金メッキ端子:56161-8*81
MATES WITH
HOUSING:502351-**0*
SN PLATING TERMINAL: 50212-8*00,50372-8*00,560085-0101
AU PLATING TERMINAL: 56161-8*81

4．エンボス梱包品の詳細はSD-560020-002参照
DETAILED TAPING PACKAGE, SEE SD-560020-002

5．半田付け面のコプラナリティ: 0.1mm MAX.
CO-PLANARITY OF SOLDER TAILS TO BE 0.1mm MAX.

6．一般公差
GENERAL TOLERANCES
10 UNDER: ±0.2
10 OVER 30 UNDER: ±0.25
30 OVER: ±0.3
ANGULAR: ±1°

INITIAL REVISION:		
DRWN	SHSHIBATA	2009/02/18
CHECK	HKOMATSU	2009/02/18
APPR	AKANESHIGE	2009/02/18

FUNCTIONAL SYMBOLS: EA= 0, EC= 0, ED= 0
DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: mm
SCALE: 5:1
GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	±	°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 635305
DRWN: MUNEMOTO 2020/04/02
CHK'D: HIIJIMA 2020/04/03
APPR: TOSADA 2020/04/06

INITIAL REVISION:
DRWN: DRAWN BY 0099/99/99
APPR: APPR BY 0099/99/99

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 560020

molex

2.0MM PITCH W/B CONN.
WAFER ASSY ST. SMT

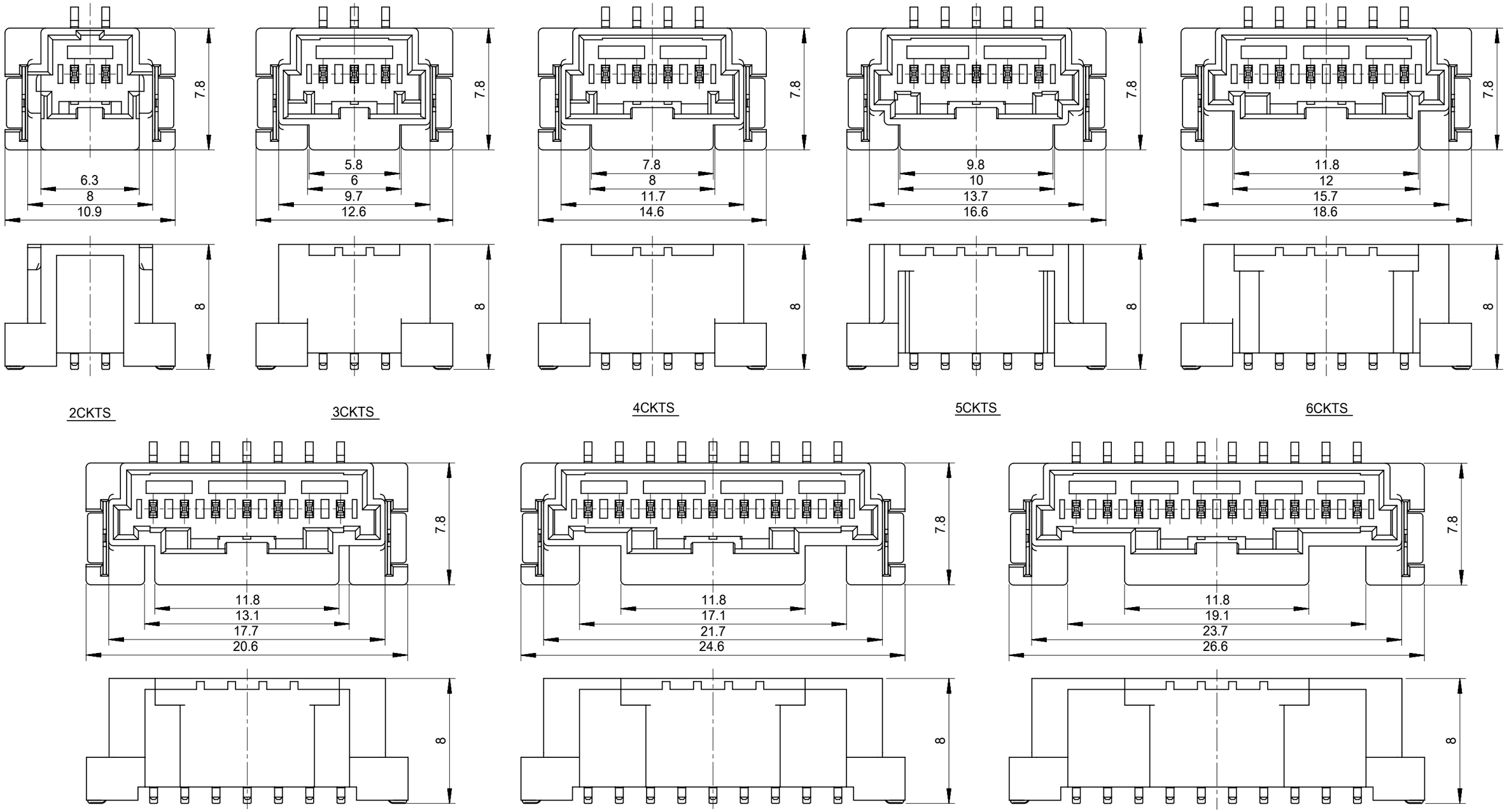
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-560020-001	PSD	001	K

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2020/04/06 00:33:42

FORMAT: Mel-lega-master-ib-prod-A3
REVISION: E
DATE: 2020/01/14



INITIAL REVISION:		
DRWN	SHSHIBATA	2009/02/18
CHECK	HKOMATSU	2009/02/18
APPR	AKANESHIGE	2009/02/18

FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 0
DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: mm
SCALE: 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 635305
DRWN: MUNEMOTO 2020/04/02
CHK'D: HIIJIMA 2020/04/03
APPR: TOSADA 2020/04/06

INITIAL REVISION:
DRWN: DRAWN BY 0099/99/99
APPR: APPR BY 0099/99/99

THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 560020

molex

2.0MM PITCH W/B CONN.
WAFER ASSY ST. SMT

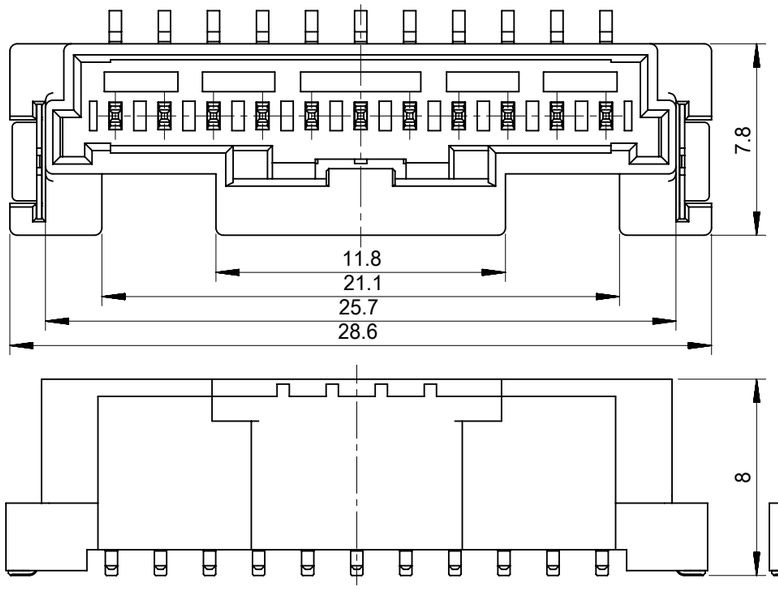
PRODUCT CUSTOMER DRAWING

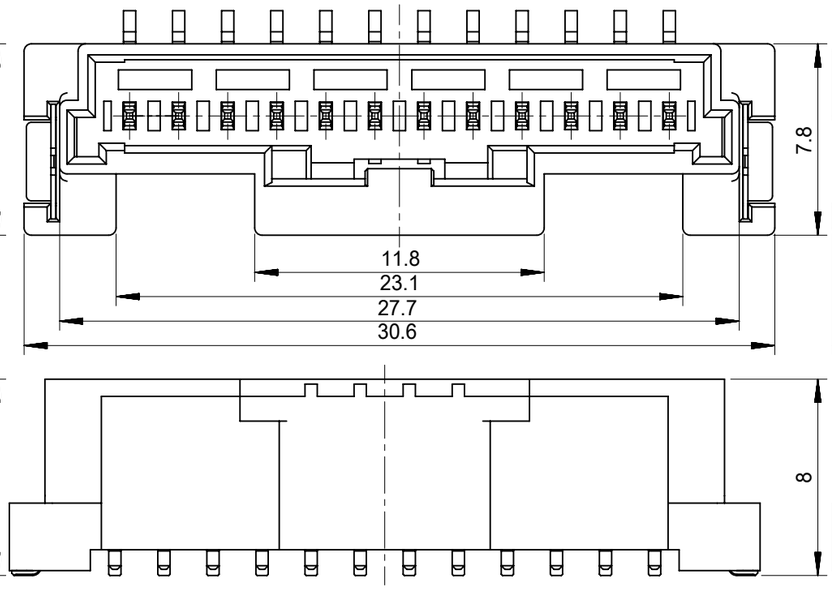
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SD-560020-001	PSD	001	K

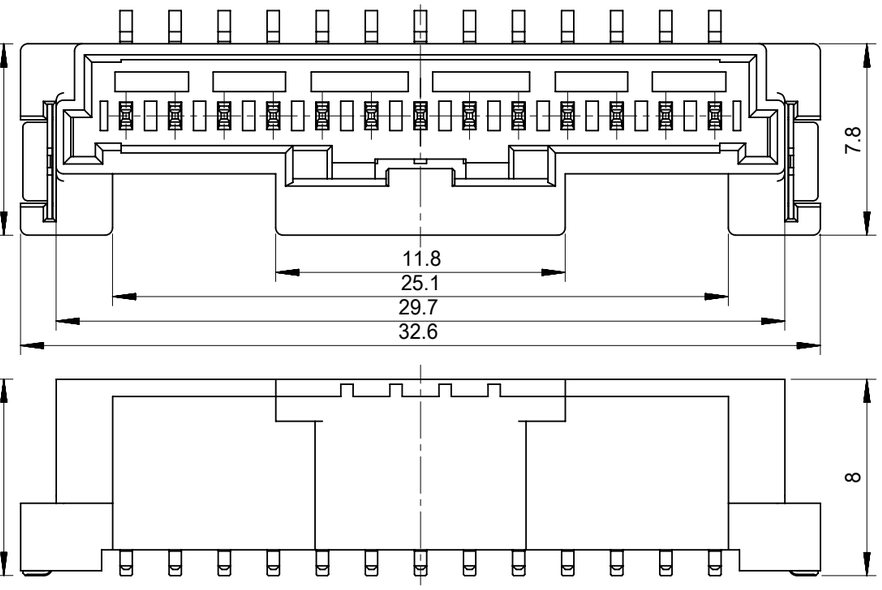
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	GENERAL MARKET	2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2020/04/06 00:33:42

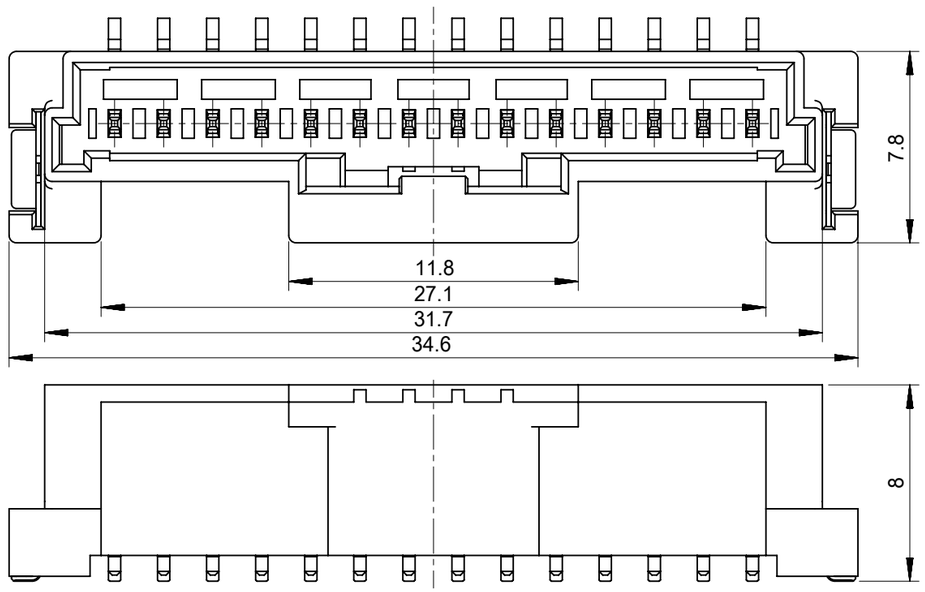
FORMAT: Met-lega-master-tb-prod-A3
REVISION: E
DATE: 2020/01/14







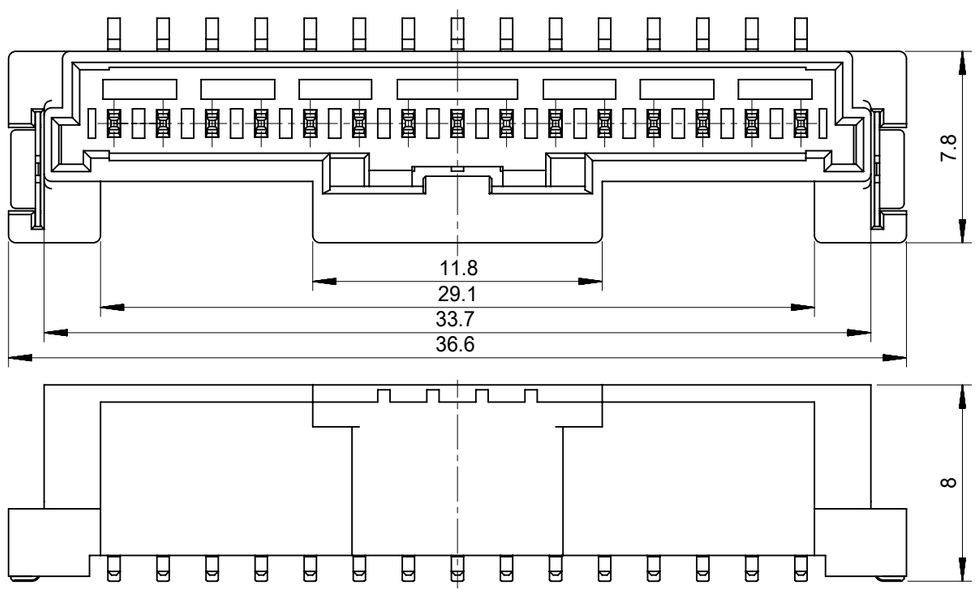
11CKTS



14CKTS

12CKTS

13CKTS



15CKTS

INITIAL REVISION:

DRWN	SHSHIBATA	2009/02/18
CHECK	HKOMATSU	2009/02/18
APPR	AKANESHIGE	2009/02/18

FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS: mm
SCALE: 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	±	°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 635305
DRWN: MUNEMOTO 2020/04/02
CHK'D: HIIJIMA 2020/04/03
APPR: TOSADA 2020/04/06

INITIAL REVISION:
DRWN: DRAWN BY 0099/99/99
APPR: APPR BY 0099/99/99

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 560020

molex

2.0MM PITCH W/B CONN.
WAFER ASSY ST. SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-560020-001	PSD	001	K

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2020/04/06 00:33:42

FORMAT: Mel-lega-master-ib-prod-A3
REVISION: E
DATE: 2020/01/14

Sn NATURAL	11.8	29.1	33.7	36.6	560020-1520	15
	11.8	27.1	31.7	34.6	560020-1420	14
	11.8	25.1	29.7	32.6	560020-1320	13
	11.8	23.1	27.7	30.6	560020-1220	12
	11.8	21.1	25.7	28.6	560020-1120	11
	11.8	19.1	23.7	26.6	560020-1020	10
	11.8	17.1	21.7	24.6	560020-0920	9
	11.8	15.1	19.7	22.6	560020-0820	8
	11.8	13.1	17.7	20.6	560020-0720	7
	11.8	12	15.7	18.6	560020-0620	6
	9.8	10	13.7	16.6	560020-0520	5
	7.8	8	11.7	14.6	560020-0420	4
	5.8	6	9.7	12.6	560020-0320	3
	6.3		8.0	10.9	560020-0220	2
PLATING COLOR	D	C	B	A	EMBOSSED PACKAGE ORDER NO.	CKTS

CONNECTOR SERIES NO. 560020-**08

Au NATURAL	11.8	29.1	33.7	36.6	560020-1530	15
	11.8	27.1	31.7	34.6	560020-1430	14
	11.8	25.1	29.7	32.6	560020-1330	13
	11.8	23.1	27.7	30.6	560020-1230	12
	11.8	21.1	25.7	28.6	560020-1130	11
	11.8	19.1	23.7	26.6	560020-1030	10
	11.8	17.1	21.7	24.6	560020-0930	9
	11.8	15.1	19.7	22.6	560020-0830	8
	11.8	13.1	17.7	20.6	560020-0730	7
	11.8	12	15.7	18.6	560020-0630	6
	9.8	10	13.7	16.6	560020-0530	5
	7.8	8	11.7	14.6	560020-0430	4
	5.8	6	9.7	12.6	560020-0330	3
	6.3		8.0	10.9	560020-0230	2
PLATING COLOR	D	C	B	A	EMBOSSED PACKAGE ORDER NO.	CKTS

CONNECTOR SERIES NO. 560020-**18

Sn BLACK	11.8	29.1	33.7	36.6	560020-1521	15
	11.8	27.1	31.7	34.6	560020-1421	14
	11.8	25.1	29.7	32.6	560020-1321	13
	11.8	23.1	27.7	30.6	560020-1221	12
	11.8	21.1	25.7	28.6	560020-1121	11
	11.8	19.1	23.7	26.6	560020-1021	10
	11.8	17.1	21.7	24.6	560020-0921	9
	11.8	15.1	19.7	22.6	560020-0821	8
	11.8	13.1	17.7	20.6	560020-0721	7
	11.8	12	15.7	18.6	560020-0621	6
	9.8	10	13.7	16.6	560020-0521	5
	7.8	8	11.7	14.6	560020-0421	4
	5.8	6	9.7	12.6	560020-0321	3
	6.3		8.0	10.9	560020-0221	2
PLATING COLOR	D	C	B	A	EMBOSSED PACKAGE ORDER NO.	CKTS

CONNECTOR SERIES NO. 560020-**28

Sn RED						15
						14
						13
						12
						11
						10
						9
	11.8	15.1	19.7	22.6	560020-0822	8
						7
	11.8	12	15.7	18.6	560020-0622	6
						5
	7.8	8	11.7	14.6	560020-0422	4
	5.8	6	9.7	12.6	560020-0322	3
	6.3		8.0	10.9	560020-0222	2
PLATING COLOR	D	C	B	A	EMBOSSED PACKAGE ORDER NO.	CKTS

CONNECTOR SERIES NO. 560020-**48

Sn BLUE						15
						14
						13
						12
						11
						10
						9
	11.8	15.1	19.7	22.6	560020-0823	8
						7
	11.8	12	15.7	18.6	560020-0623	6
						5
	7.8	8	11.7	14.6	560020-0423	4
	5.8	6	9.7	12.6	560020-0323	3
	6.3		8.0	10.9	560020-0223	2
PLATING COLOR	D	C	B	A	EMBOSSED PACKAGE ORDER NO.	CKTS

CONNECTOR SERIES NO. 560020-**68

INITIAL REVISION:
DRWN SHSHIBATA 2009/02/18
CHECK HKOMATSU 2009/02/18
APPR AKANESHIGE 2009/02/18

FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 0
DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: mm
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 635305
DRWN: MUNEMOTO 2020/04/02
CHK'D: HIIJIMA 2020/04/03
APPR: TOSADA 2020/04/06

INITIAL REVISION:
DRWN: DRAWN BY 0099/99/99
APPR: APPR BY 0099/99/99

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 560020

molex

2.0MM PITCH W/B CONN.
WAFER ASSY ST. SMT

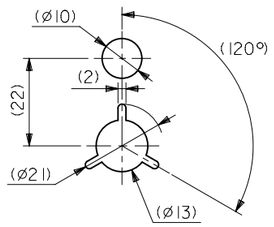
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-560020-001	PSD	001	K

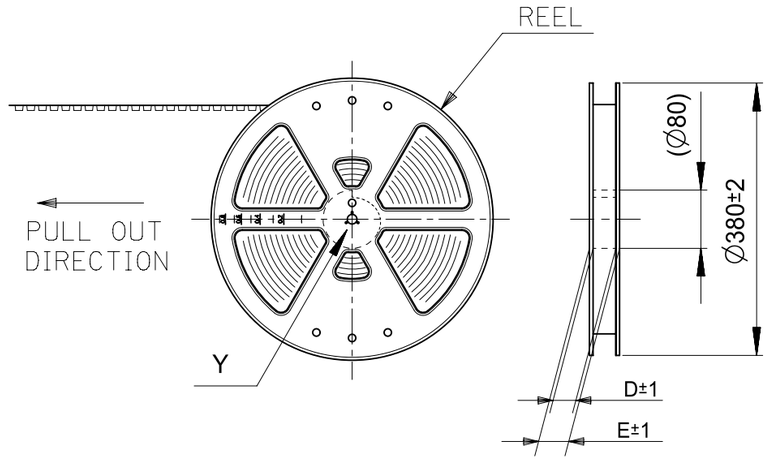
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 4

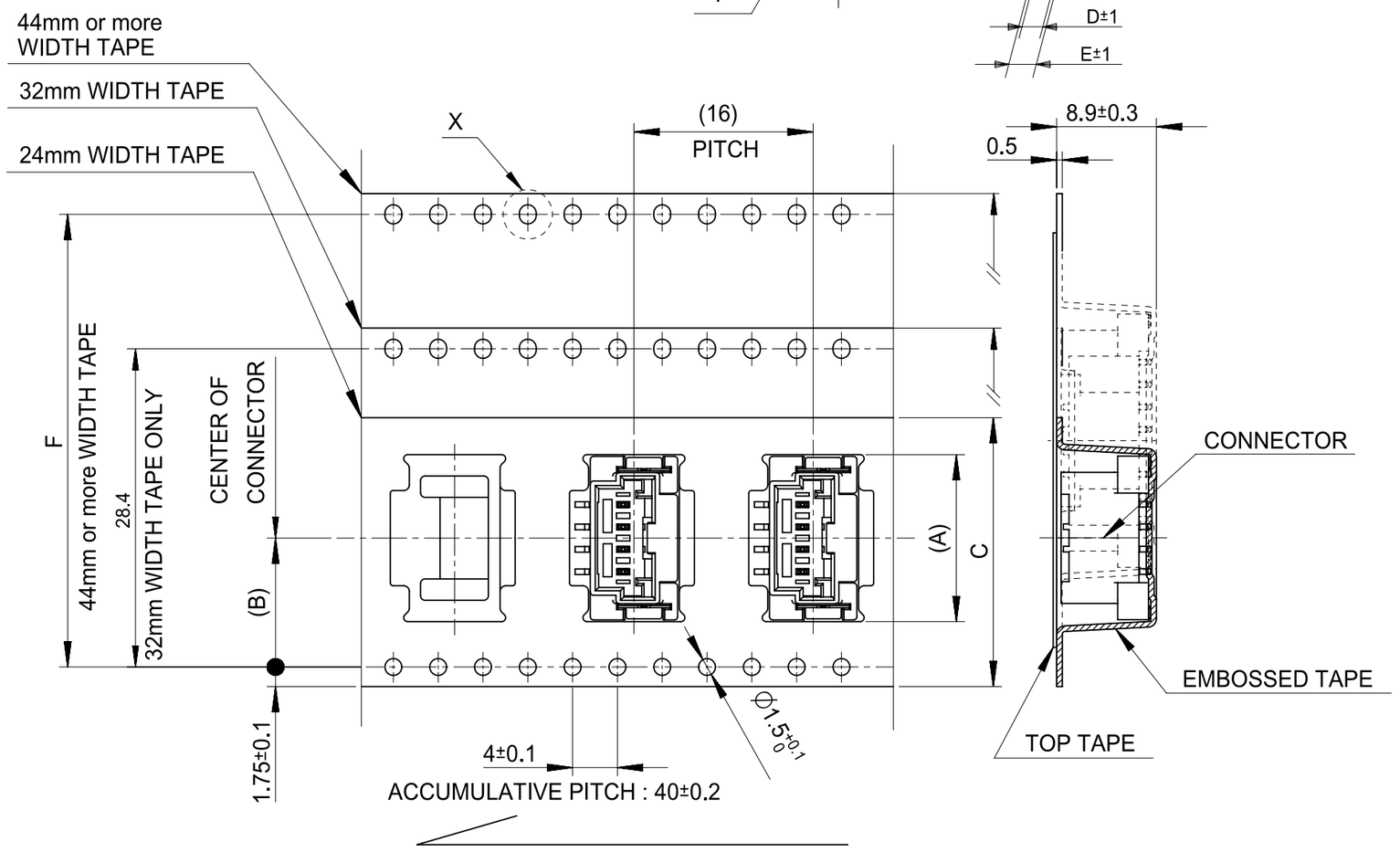
DOCUMENT STATUS	P1	RELEASE DATE	2020/04/06 00:33:42

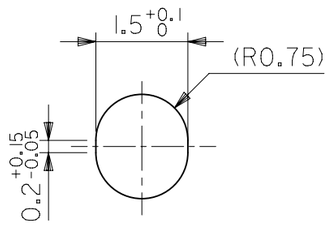
FORMAT: Mel-lega-master-tb-prod-A3
REVISION: E
DATE: 2020/01/14



DETAIL Y



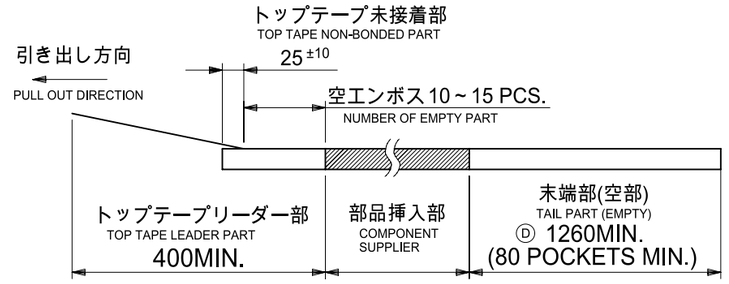




DETAIL X
(SCALE 10:1)

NOTES

1. 製品番号：
   ナチュラル・錫めっき 560020-**20
   ナチュラル・金めっき 560020-**30
   黒・錫めっき 560020-**21
   赤・錫めっき 560020-**22
   青・錫めっき 560020-**23
   詳細寸法については、製品単体図面を参照ください。
   PART NO.
   NATURAL・Sn Plating 560020-**20
   NATURAL・Au Plating 560020-**30
   BLACK・Sn Plating 560020-**21
   RED・Sn Plating 560020-**22
   BLUE・Sn Plating 560020-**23
   SEE SALES DRAWING FOR CONNECTOR
2. 梱包数量：　650個/REEL
   NUMBER OF CONNECTORS 650 PCS/REEL
3. リードテープ長さ
   LEAD TAPE LENGTH



4. 材料
   MATERIAL
   キャリアテープ：　ポリスチレン
   CARRIER TAPE: POLYSTYRENE
   トップテープ：　PET, PE, PEF
   TOP TAPE: PET, PE, PEF
   リール：　ポリスチレン
   REEL: POLYSTYRENE
5. 一般公差
   GENERAL TOLERANCES
   10 UNDER: ±0.2
   10 OVER 30 UNDER: ±0.25
   30 OVER: ±0.3
   ANGULAR: ±1°

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FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

PHASE:
CO NO:
DRWN: Hideo Yoneyama 2023-10-23
CHK'D: Hiromichi Komatsu 2023-10-23
APPR: Takashi Iida 2023-10-24

INITIAL REVISION:
DRWN: YTAMAKI 2014/05/23
APPR: MAYAMAMOTO 2014/06/30

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 560020

molex

2.0MM PITCH W/B ST.
WAFER ASSY EMBOSSED TAPE PACKAGE

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-560020-003	PSD	001	F2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 2

FORMAT: Mx4ega-TC-tb-prod-A3
REVISION: A
DATE: 2021/08/11

Sn NATURAL	52.4	61.4	57.4	56	26.2	36.9	560020-1520	15
						34.9	560020-1420	14
						32.9	560020-1320	13
	40.4	49.4	45.4	44	20.2	30.9	560020-1220	12
						28.9	560020-1120	11
						26.9	560020-1020	10
						24.9	560020-0920	09
						22.9	560020-0820	08
						20.9	560020-0720	07
	28.4	37.4	33.4	32	14.2	18.9	560020-0620	06
						16.9	560020-0520	05
		29.4	25.4	24	11.5	14.9	560020-0420	04
						12.9	560020-0320	03
						11.2	560020-0220	02
PLATING COLOR	F	E	D	C	(B)	(A)	エンボス梱包品 製品番号 EMBOSSED PACKAGE MATERIAL NO.	CIRCUITS

Au NATURAL	52.4	61.4	57.4	56	26.2	36.9	560020-1530	15
						34.9	560020-1430	14
						32.9	560020-1330	13
	40.4	49.4	45.4	44	20.2	30.9	560020-1230	12
						28.9	560020-1130	11
						26.9	560020-1030	10
						24.9	560020-0930	09
						22.9	560020-0830	08
						20.9	560020-0730	07
	28.4	37.4	33.4	32	14.2	18.9	560020-0630	06
						16.9	560020-0530	05
		29.4	25.4	24	11.5	14.9	560020-0430	04
						12.9	560020-0330	03
						11.2	560020-0230	02
PLATING COLOR	F	E	D	C	(B)	(A)	エンボス梱包品 製品番号 EMBOSSED PACKAGE MATERIAL NO.	CIRCUITS

Sn BLACK	52.4	61.4	57.4	56	26.2	36.9	560020-1521	15
						34.9	560020-1421	14
						32.9	560020-1321	13
	40.4	49.4	45.4	44	20.2	30.9	560020-1221	12
						28.9	560020-1121	11
						26.9	560020-1021	10
						24.9	560020-0921	09
						22.9	560020-0821	08
						20.9	560020-0721	07
	28.4	37.4	33.4	32	14.2	18.9	560020-0621	06
						16.9	560020-0521	05
		29.4	25.4	24	11.5	14.9	560020-0421	04
						12.9	560020-0321	03
						11.2	560020-0221	02
PLATING COLOR	F	E	D	C	(B)	(A)	エンボス梱包品 製品番号 EMBOSSED PACKAGE MATERIAL NO.	CIRCUITS

Sn RED	52.4	61.4	57.4	56	26.2			15
								14
								13
	40.4	49.4	45.4	44	20.2			12
								11
								10
								09
						22.9	560020-0822	08
								07
	28.4	37.4	33.4	32	14.2	18.9	560020-0622	06
								05
		29.4	25.4	24	11.5	14.9	560020-0422	04
						12.9	560020-0322	03
						11.2	560020-0222	02
PLATING COLOR	F	E	D	C	(B)	(A)	エンボス梱包品 製品番号 EMBOSSED PACKAGE MATERIAL NO.	CIRCUITS

Sn BLUE	52.4	61.4	57.4	56	26.2			15
								14
								13
	40.4	49.4	45.4	44	20.2			12
								11
								10
								09
						22.9	560020-0823	08
								07
	28.4	37.4	33.4	32	14.2	18.9	560020-0623	06
								05
		29.4	25.4	24	11.5	14.9	560020-0423	04
						12.9	560020-0323	03
						11.2	560020-0223	02
PLATING COLOR	F	E	D	C	(B)	(A)	エンボス梱包品 製品番号 EMBOSSED PACKAGE MATERIAL NO.	CIRCUITS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm | SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES		±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

PHASE:
CO NO:
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INITIAL REVISION:
DRWN: YTAMAKI 2014/05/23
APPR: MAYAMAMOTO 2014/06/30

molex

2.0MM PITCH W/B ST.
WAFER ASSY EMBOSSED TAPE PACKAGE

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-560020-003	PSD	001	F2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	560020	SEE CHART	GENERAL MARKET	2 OF 2

FORMAT: Mel-lega-TC-tb-prod-A3
REVISION: A
DATE: 2021/08/11