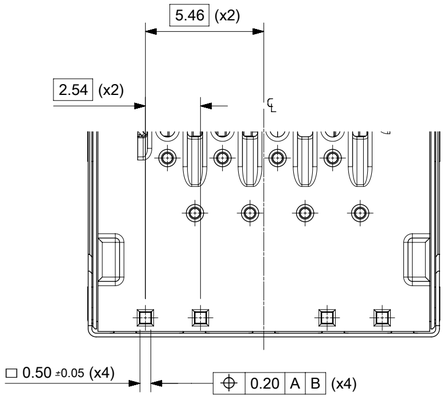
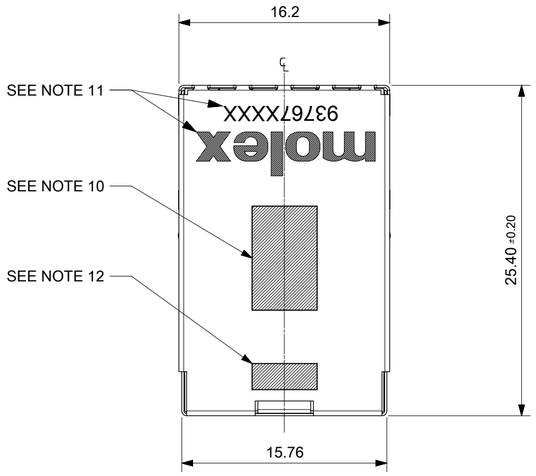
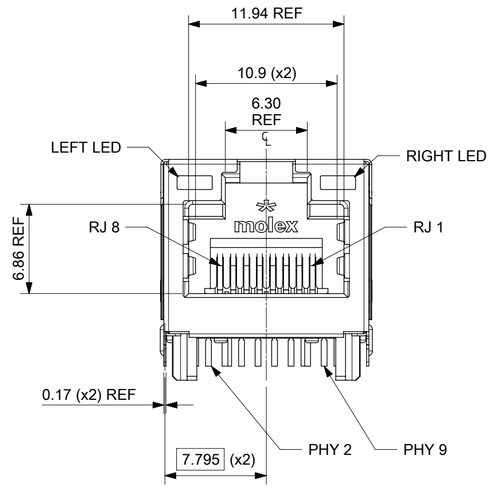
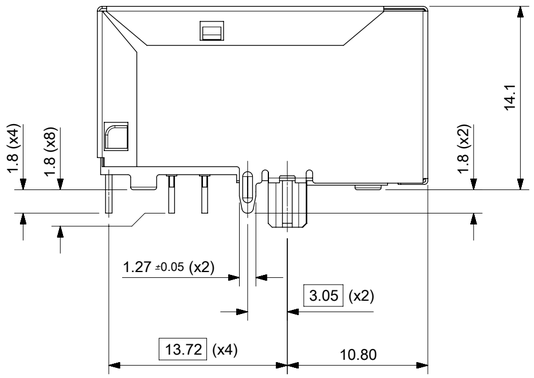
INVERTED PROFILE MAGNETIC JACK
FAST ETHERNET W/LED

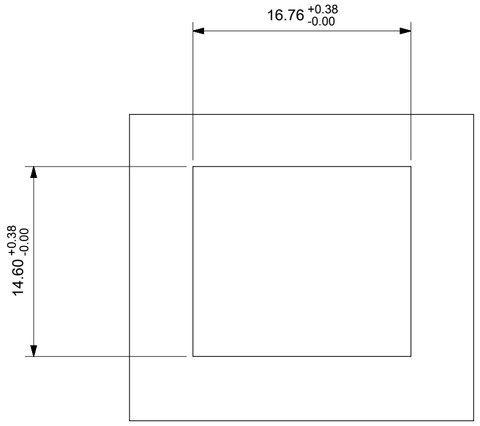


DETAIL A
SCALE 5:1

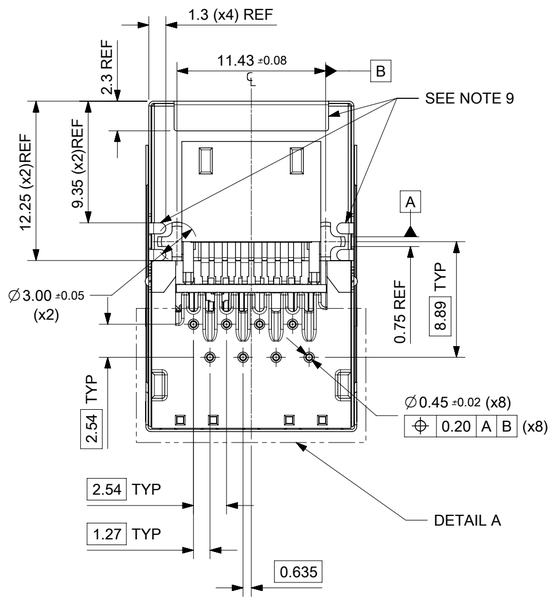




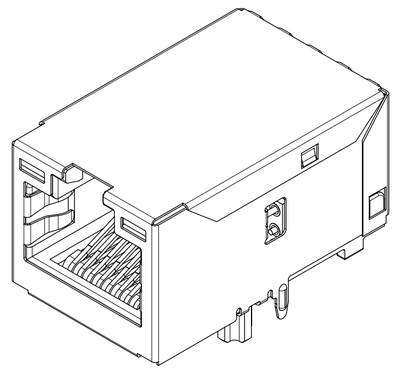


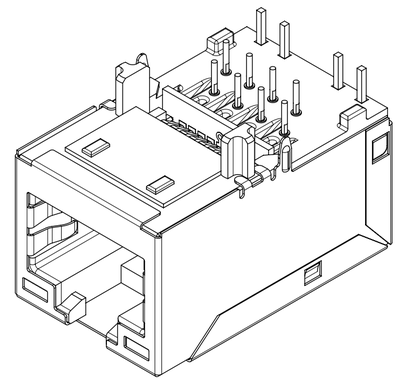


SUGGESTED PANEL OUT-OUT



NOTES:
1 - SHIELD MATERIAL: 0.17MM THICK BRASS PRE-PLATED WITH NICKEL.
SOLDER TABS POST DIPPED WITH MIN. 1.27µm TIN
2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0.
3 - TERMINALS MATERIAL: PHOSPHOR BRONZE.
RJ45 CONTACT PLATING: BASE NICKEL, GOLD FLASH OVER PALLADIUM NICKEL.
PHY SOLDER TAILS: COPPER ALLOY REFER TO 934620001 PSP.
4 - MATING INTERFACE ACCORDING TO IEC 60603-7 & TIA-1096-A.
5 - PRODUCT SPECIFICATION: 934620001 PSP.
6 - PACKAGING SPECIFICATION: 934620002 PSK TAPE & REEL.
TAPE AND REEL DRAWING NUMBER: 990449058 PSDK
7 - STAND OFF TO SYSTEM BOARD 0.30 mm MIN.
8 - RECOMMENDED PCB THICKNESS: 1.57 mm REF.
9 - SHIELD: AVOID ROUTING TRACES
OR PLACING ANY VIAS BELOW THESE AREAS.
10 - AREA FOR PICK AND PLACE: 5.0 mm X 8.0 mm.
11 - INSCRIPTION MARKED BY LASER:
1st : MOLEX
2nd : P/N (SEE BOM)
12 - INSCRIPTION MARKED BY LASER:
DATE CODE(DAY/WEEK/YEAR)





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

DIMENSION UNITS	SCALE
mm	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.1
1 PLACE	± 0.2
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: UPDATED TITLE

EC NO: 604273
DRWN: DSHEA 2018/07/26
CHK'D: SMCGREEVY 2018/08/15
APPR: DBYRNES 2019/09/25

INITIAL REVISION:
DRWN: DSHEA 2016/07/01
APPR: STGRIFFIN 2016/09/23

THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 93767

molex

1" MXMAG 4 CORE FE IND
REFLOW CAPABLE

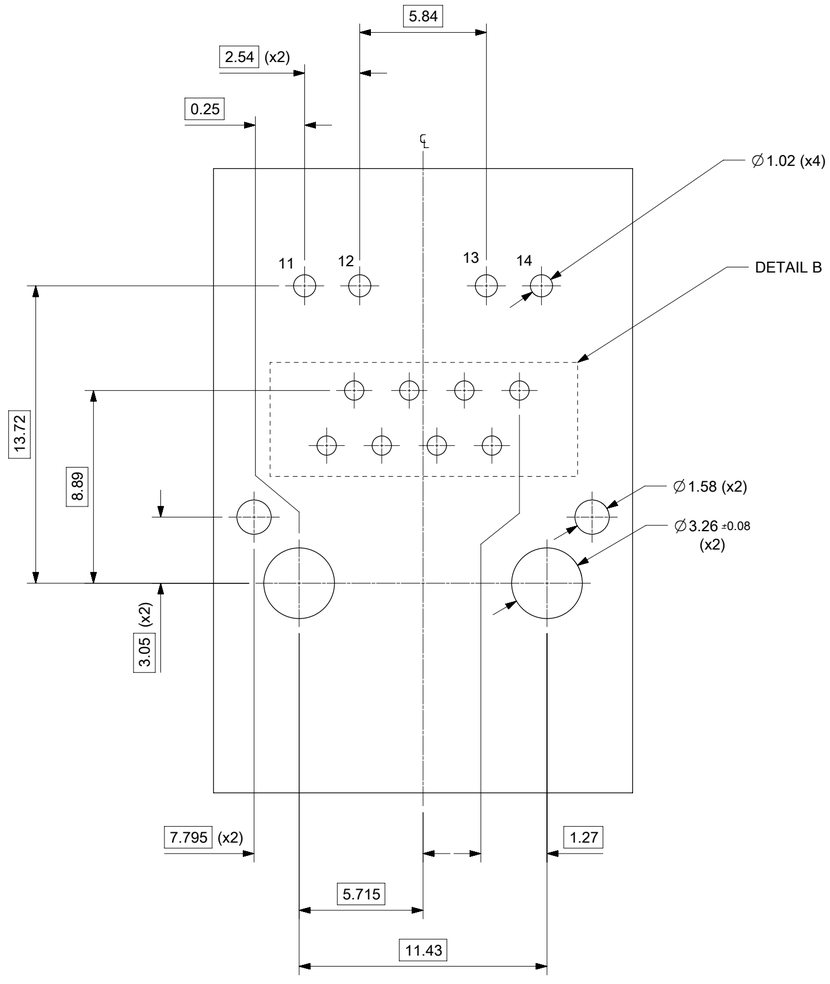
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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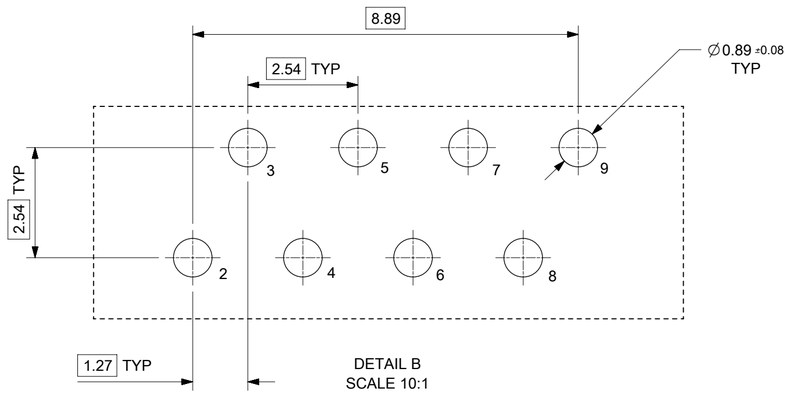
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE ON SHEET 2	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/25 12:10:11

FORMAT: Portrait-Prod-A2
REVISION: 1.1
DATE: 2019/09/25



SUGGESTED BOARD LAYOUT
FAST ETHERNET
VIEW FROM COMPONENT SIDE
ALL DIMS ARE REFERENCE



DETAIL B
SCALE 10:1

PIN CONFIGURATION
FOR FAST ETHERNET

PART NUMBER	LEFT LED	RIGHT LED
937675126	GREEN	YELLOW

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

DIMENSION UNITS	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: UPDATED TITLE

EC NO: 604273
DRWN: DSHEA 2018/07/26
CHK'D: SMCGREEVY 2018/08/15
APPR: DBYRNES 2019/09/25

INITIAL REVISION:
DRWN: DSHEA 2016/07/01
APPR: STGRIFFIN 2016/09/23

THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 93767

molex

1" MXMAG 4 CORE FE IND
REFLOW CAPABLE

PRODUCT CUSTOMER DRAWING

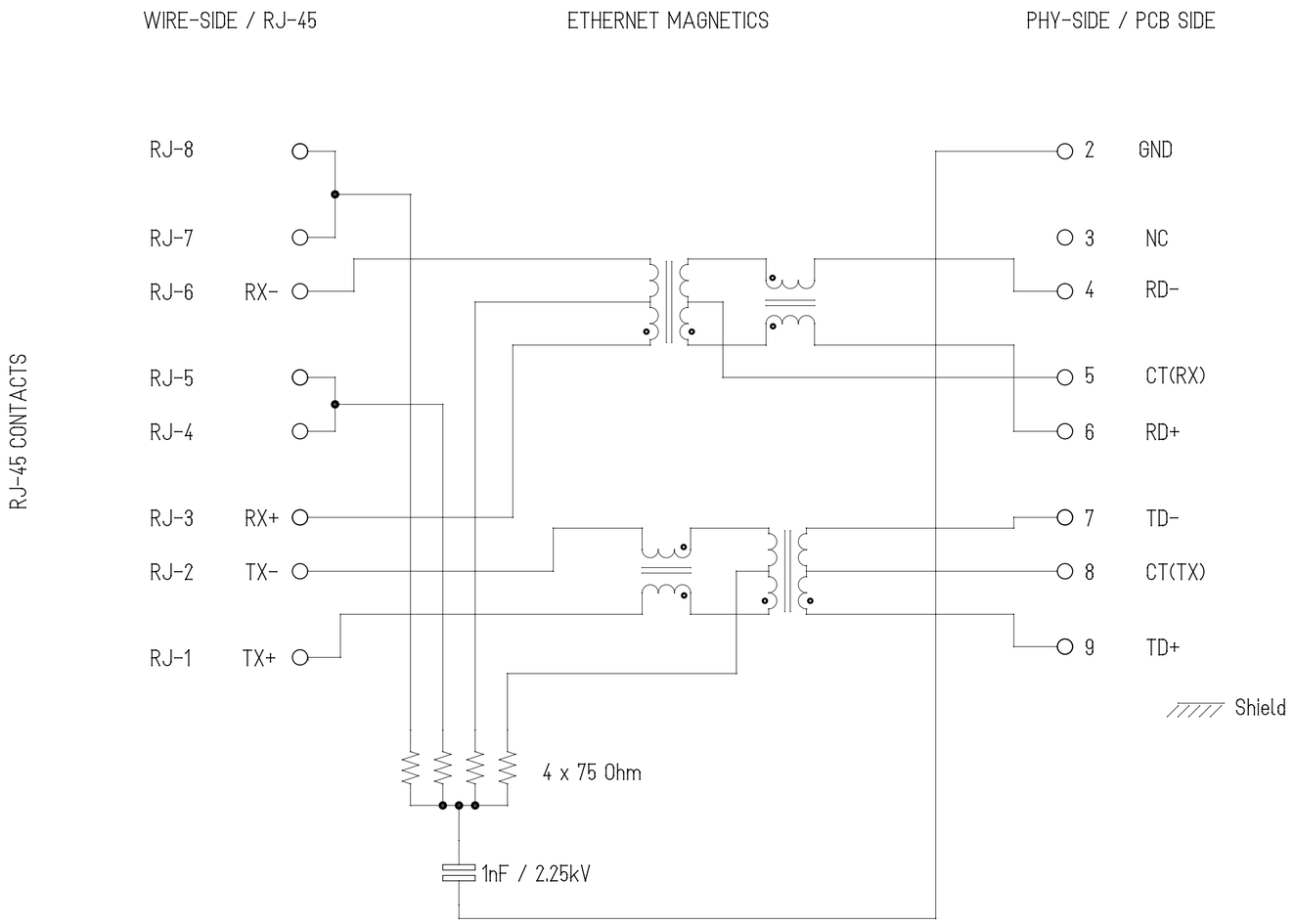
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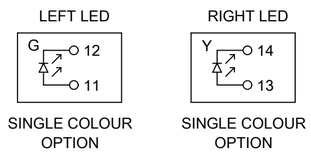
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE ON SHEET 2	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/25 12:10:11

FORMAT: A2-tmpl-A2
REVISION: H
DATE: 2018/07/11

Description	Value	
OCL @100 kHz, 0.1 V, 8 mA DC bias (-40°C TO +85°C)	350 µH min.	
Turns ratio	1CT:1CT	
Transmission characteristics @ 25°C, all four pairs		
Insertion Loss		
Frequency f, (MHz)	Limits (dB max.)	Typical Values (dB max.)
1.0-9.9	0.4+0.1*log(f)	0.5 @ 10 MHz
10-49.9	0.5+0.3*log(f/10)	0.7 @ 50 MHz
50-79.9	1+1.4*log(f/80)	1.0 @ 80 MHz
80-100	1.3+3*log(f/100)	1.3 @ 100 MHz
Return Loss		
Frequency f, (MHz)	Limits (dB min.)	Typical Values (dB min.)
1.0-39.9	18	18 @ 40 MHz
40-100	12-20*log(f/80)	10 @ 100 MHz
CMR		
Frequency f, (MHz)	Limits (dB min.)	Typical Values (dB min.)
1.0-100	30	30 @ 100 MHz
NEXT		
Frequency f, (MHz)	Limits (dB min.)	Typical Values (dB min.)
1.0-39.9	35	35 @ 40 MHz
40-100	33-20*log(f/50)	27 @ 100 MHz
Isolation PHY to wire side	2.25 kV DC / 60 s	





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DIMENSION UNITS	mm
SCALE	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.1
1 PLACE	± 0.2
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: UPDATED TITLE

EC NO:	604273	
DRWN:	DSHEA	2018/07/26
CHK'D:	SMCGREEVY	2018/08/15
APPR:	DBYRNES	2019/09/25
INITIAL REVISION:		
DRWN:	DSHEA	2016/07/01
APPR:	STGRIFFIN	2016/09/23

THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 93767

molex

1" MXMAG 4 CORE FE IND
REFLOW CAPABLE

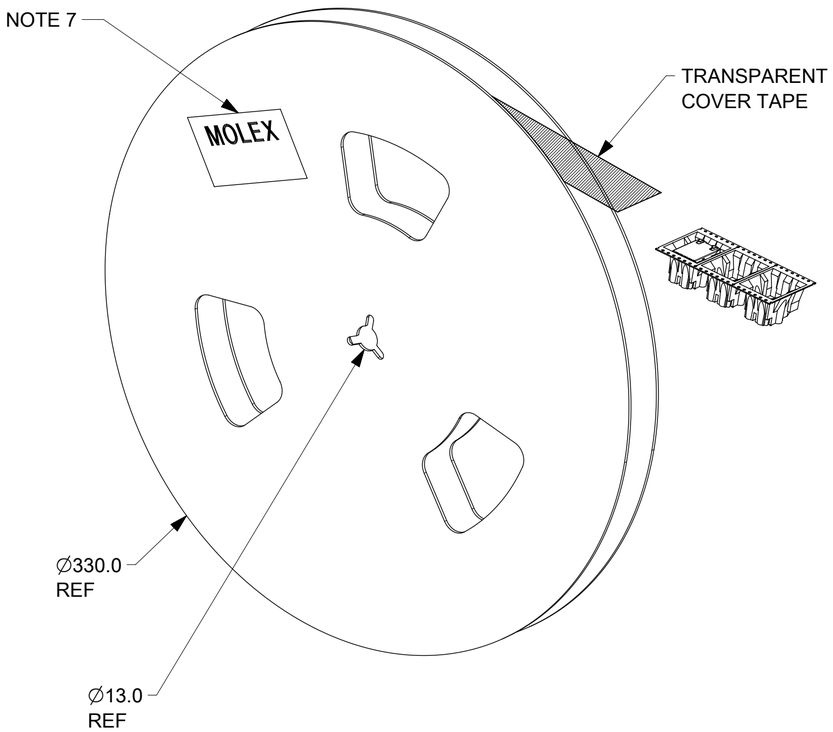
PRODUCT CUSTOMER DRAWING

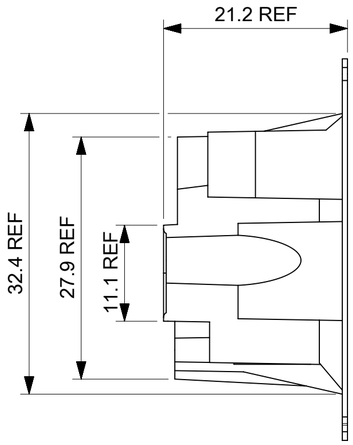
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937670002	PSD	000	C

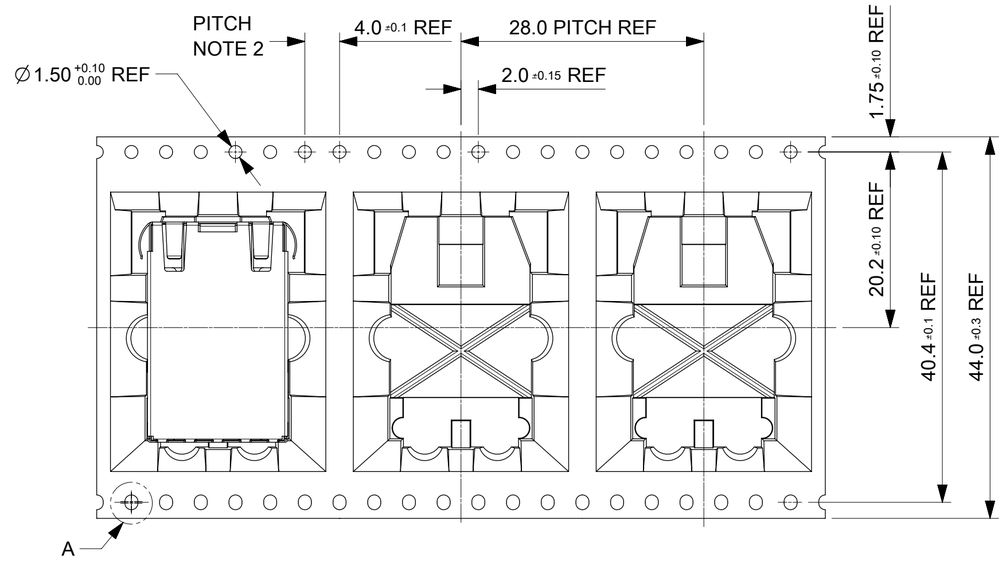
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SEE TABLE ON SHEET 2	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/25 12:10:11

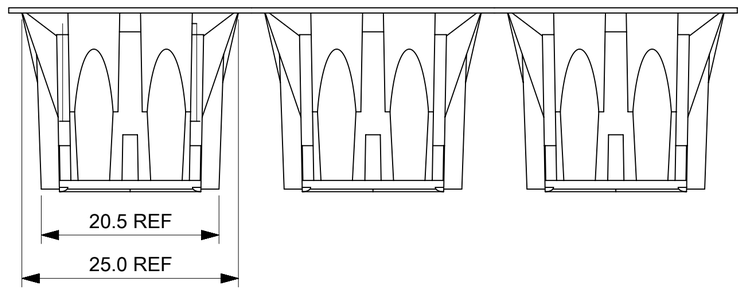
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REVISION: H
DATE: 2018/01/18

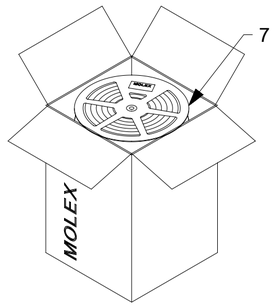






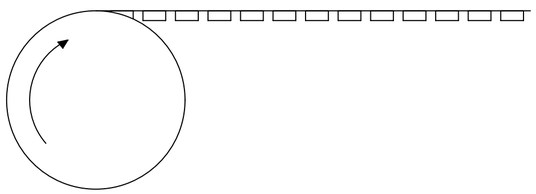
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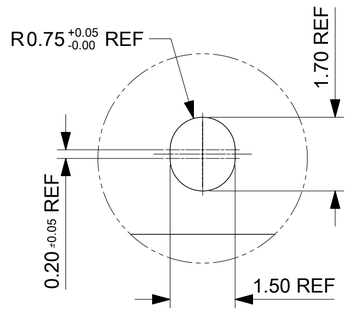


7 REELS/CARTON

TO CUSTOMER
ASSEMBLY MACHINE



MOLEX REEL



DETAIL A
SCALE 10:1

BLISTER TAPE PART NO	PIECES/REEL	PIECES/CARTON	REELS/CARTON
990449058	107	749	7

NOTES:
1 - MATERIAL:
CARRIER TAPE: VOLUME CONDUCTIVE POLYSTYRENE, 0.60 mm REF THICK, BLACK.
COVER TAPE: COLD SEAL POLYESTER, 0.06 mm REF THICK TRANSPARENT.
2 - PITCH TOLERANCE OVER ANY 10 PITCHES ± 0.2 mm
3 - PEEL FORCE OF COVER TAPE IS 0.1 N TO 1.3 N
AT A MAXIMUM SPEED OF 300 mm/min ± 10 mm/min
4 - PACKAGING SPECIFICATION: 934620002 PSK.
5 - REFERENCE TO IEC 60286-3 EXCEPT WHERE NOTED
6 - LABELS SHALL BE PLACED ON THE EACH REEL AND ON THE CARTON
7 - THE LABEL ON THE REEL SHALL BE PLACED ON THE OUTSIDE OF THE FLANGE
OPPOSITE THE ROUND SPROCKET HOLES
8 - ALL DIMENSIONS ARE REFERENCE ONLY

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DIMENSION UNITS	SCALE
mm	1:2

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ORIGINAL RELEASE

EC NO: 624501
DRWN: DSHEA 2019/09/19
CHK'D: DBYRNES 2019/09/26
APPR: DBYRNES 2019/09/26

INITIAL REVISION:
DRWN: DSHEA 2019/09/19
APPR: DBYRNES 2019/09/26

molex

MXMAG ONE INCH TAPE & REEL
BLISTER PACKAGING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
990449058	PSD	K	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A2-SIZE	99044	990449058	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/26 09:14:35

FORMAT: master-tb-prod-A2
REVISION: H
DATE: 2018/01/18

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197054301 355240920 357470310 502584-1060 34708-2028 528061110 503988100 0194360214
0477256010 197134001 347072012 348242245 0351510214 349672001 351820290 502380-0800
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