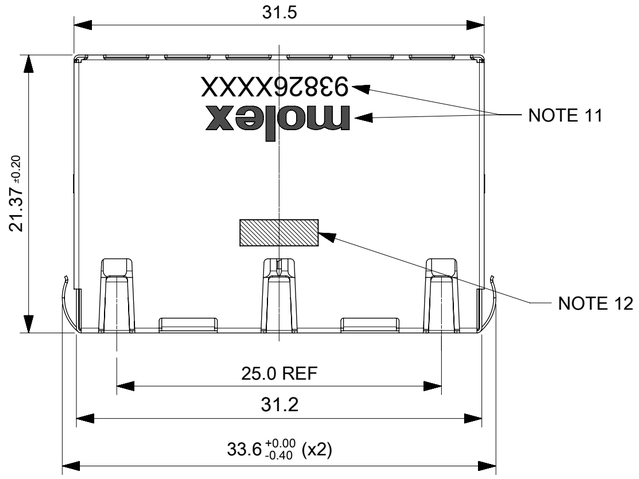
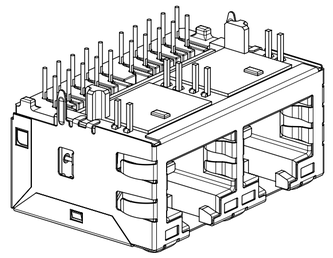
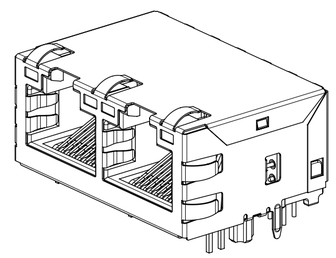
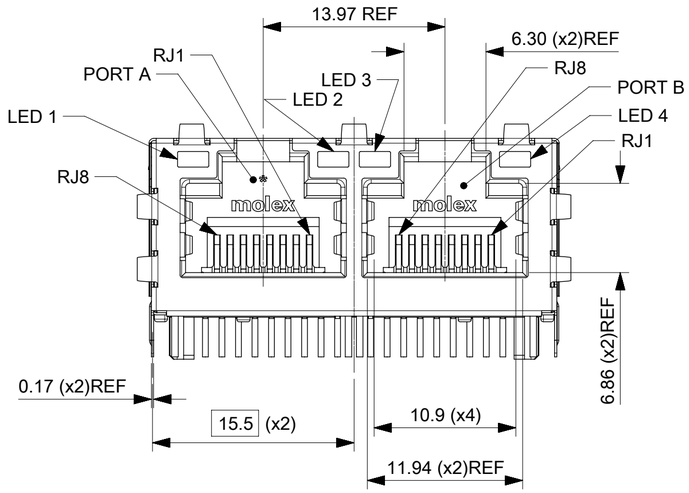


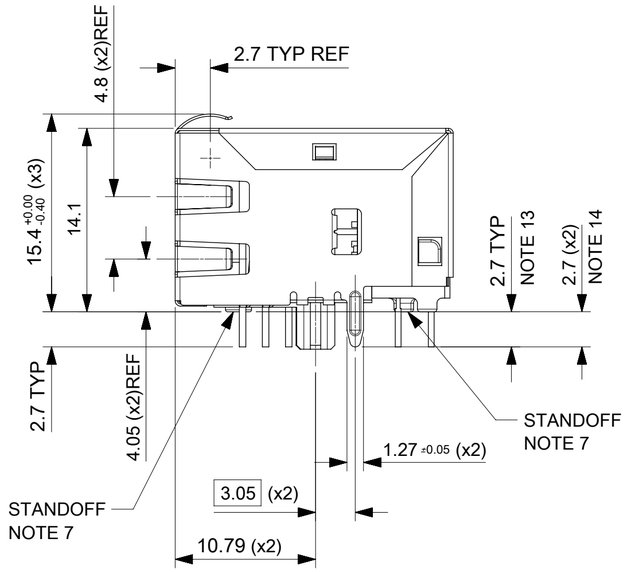
PART NO.	LED COLOR			
	LED 1	LED 2	LED 3	LED 4
938263006	GREEN	YELLOW	GREEN	YELLOW

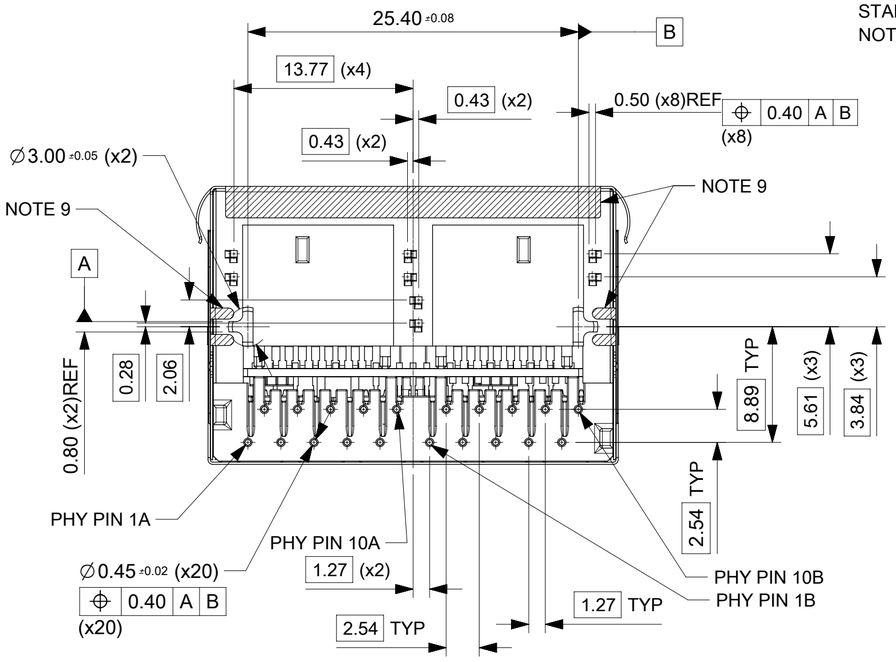




INVERTED PROFILE DUAL PORT MAGNETIC JACK
GIGABIT ETHERNET
WITH LED
WITH SHIELD TABS







NOTES:
1 - SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN. 1.27 µm TIN
2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
3 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD FLASH OVER PALLADIUM NICKEL. REFER TO 934620001 PSP
PHY SOLDER TAILS: COPPER ALLOY
4 - MATING INTERFACE ACCORDING TO IEC 60603-7 & TIA-1096-A
5 - PRODUCT SPECIFICATION: 934620001 PSP
6 - PACKAGING SPECIFICATION: 938240001 PSK TRAY
7 - STAND OFF TO SYSTEM BOARD 0.30 mm MIN
8 - RECOMMENDED PCB THICKNESS: 1.6 mm
9 - SHIELD: AVOID ROUTING TRACES
OR PLACING ANY VIAS BELOW THESE AREAS.
10 - MATERIAL COMPLIANT TO RoHS DIRECTIVE 2002/95/EC
11 - INSCRIPTION MARKED BY LASER:
1st: MOLEX
2nd: PART NUMBER
12 - INSCRIPTION MARKED BY LASER:
DATE CODE (DAY/WEEK/YEAR)
13 - PHY PIN LENGTH
14 - SHIELD SOLDER TAB LENGTH

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

ORIGINAL RELEASE
EC NO: 123046
DRWN: DSHEA
CHK'D: SMCGREEVY
APPR: DBYRNES
2017/10/17
2017/10/23
2017/11/07

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

DIMENSION UNITS: mm
SCALE: 3:1
DRWN BY: DSHEA DATE: 2017/05/31
CHK'D BY: SMCGREEVY DATE: 2017/10/23
APPR BY: DBYRNES DATE: 2017/11/07
DRAWING SIZE: A2
THIRD ANGLE PROJECTION

molex®

MXMAG DUAL PORT 8C GIG COMMERCIAL
W/ LEDS

PRODUCT CUSTOMER DRAWING

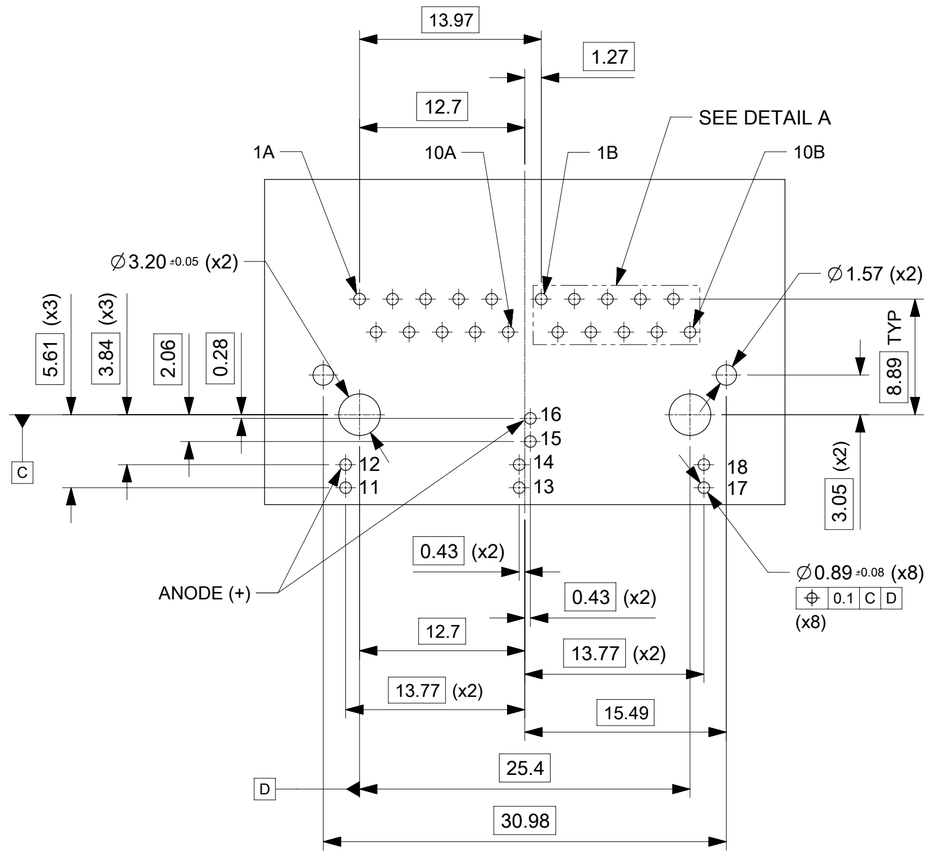
REV	SERIES	MATERIAL NUMBER	CUSTOMER
A	93826	SEE CHART	GENERAL MARKET

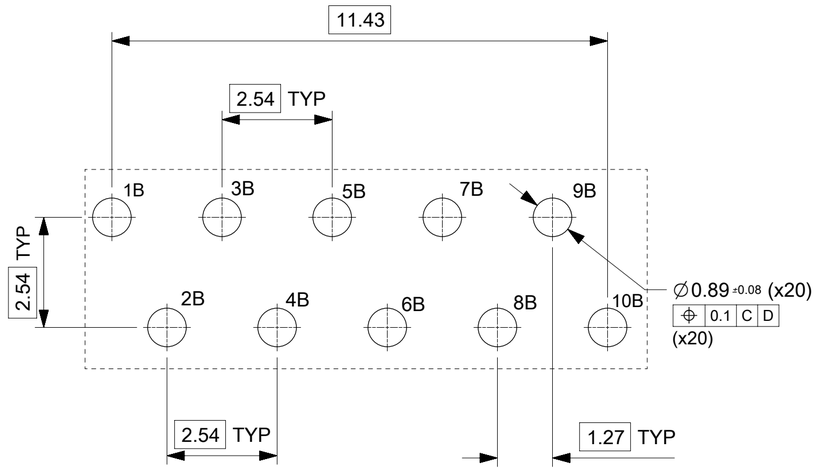
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
938260003	PSD	000	1 OF 3

RELEASE STATUS | P1 | RELEASE DATE | 07.11.2017 10:13:21

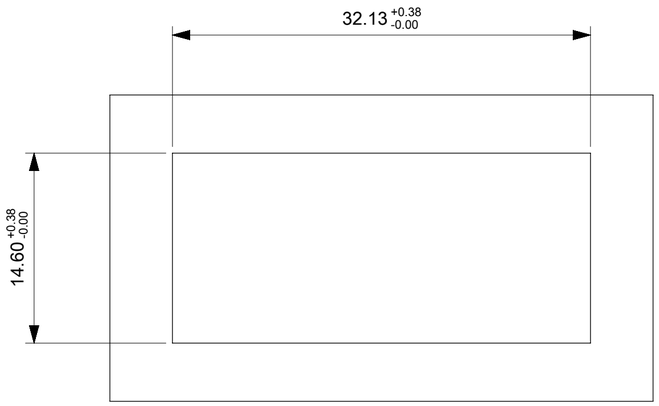
FORMAT: master-tb-prod-A2
REVISION: G
DATE: 2015/12/14

RECOMMENDED PCB LAYOUT
GIG VERSION W/ LED
COMPONENT SIDE
ALL DIMENSIONS REF DIMENSIONS





DETAIL A
SCALE 10:1



SUGGESTED PANEL CUTOUT

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

ORIGINAL RELEASE		2017/10/17
EC NO:	123046	2017/10/23
DRWN:	DSHEA	2017/11/07
CHK'D:	SMCGREEVY	
APPR:	DBYRNES	

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

REV: A

DIMENSION UNITS: mm
SCALE: 3:1
DRWN BY: DSHEA DATE: 2017/05/31
CHK'D BY: SMCGREEVY DATE: 2017/10/23
APPR BY: DBYRNES DATE: 2017/11/07
DRAWING SIZE: A2
THIRD ANGLE PROJECTION

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MXMAG DUAL PORT 8C GIG COMMERCIAL
W/ LEDS

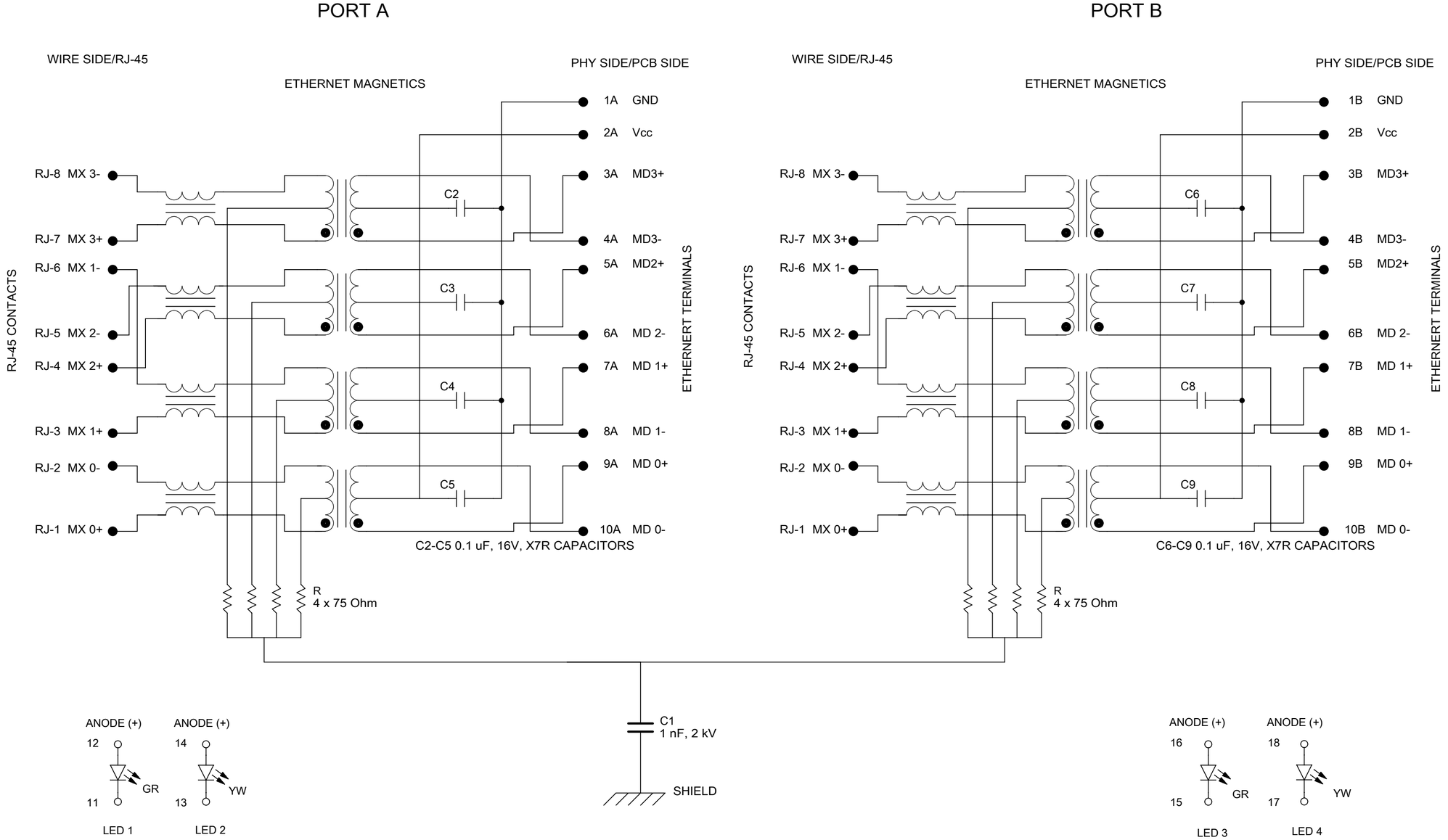
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
93826	SEE SHEET 1	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
938260003	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	07.11.2017 10:13:21

FORMAT: master-tb-prod-A2
REVISION: G
DATE: 2015/12/14



Description	Value	
OCL @100 kHz, 0.1 V, 8 mA DC bias (0°C to +70°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/60sec	

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ORIGINAL RELEASE 2017/11/07
EC NO: 123046 2017/10/23
DRWN: DSHEA
CHK'D: SMCGREEVY
APPR: DBYRNES 2017/10/17

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

REV A

DIMENSION UNITS: mm
SCALE: 1:1
DRWN BY: DSHEA DATE: 2017/05/31
CHK'D BY: SMCGREEVY DATE: 2017/10/23
APPR BY: DBYRNES DATE: 2017/11/07
DRAWING SIZE: A2
THIRD ANGLE PROJECTION

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MXMAG DUAL PORT 8C GIG COMMERCIAL W/ LEDS

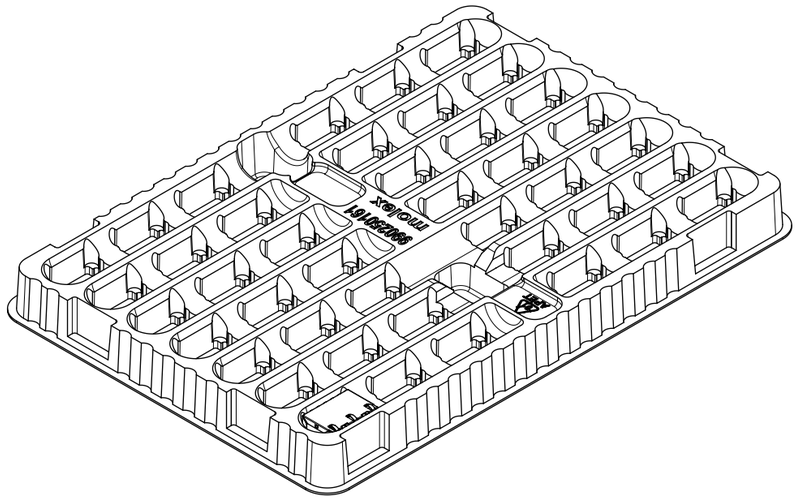
PRODUCT CUSTOMER DRAWING

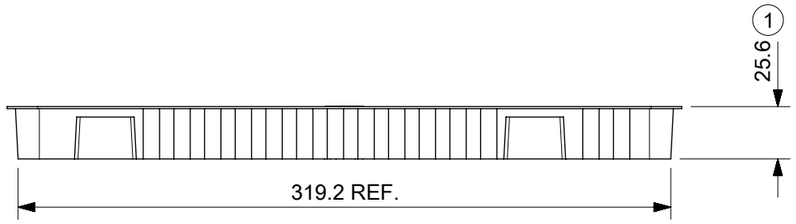
SERIES	MATERIAL NUMBER	CUSTOMER
93826	SEE SHEET 1	GENERAL MARKET

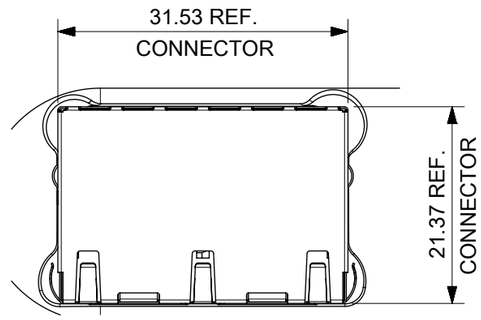
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
938260003	PSD	000	3 OF 3

RELEASE STATUS	P1	RELEASE DATE	07.11.2017 10:13:21

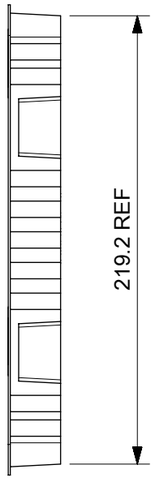
FORMAT: master-tb-prod-A2
REVISION: G
DATE: 2015/12/14

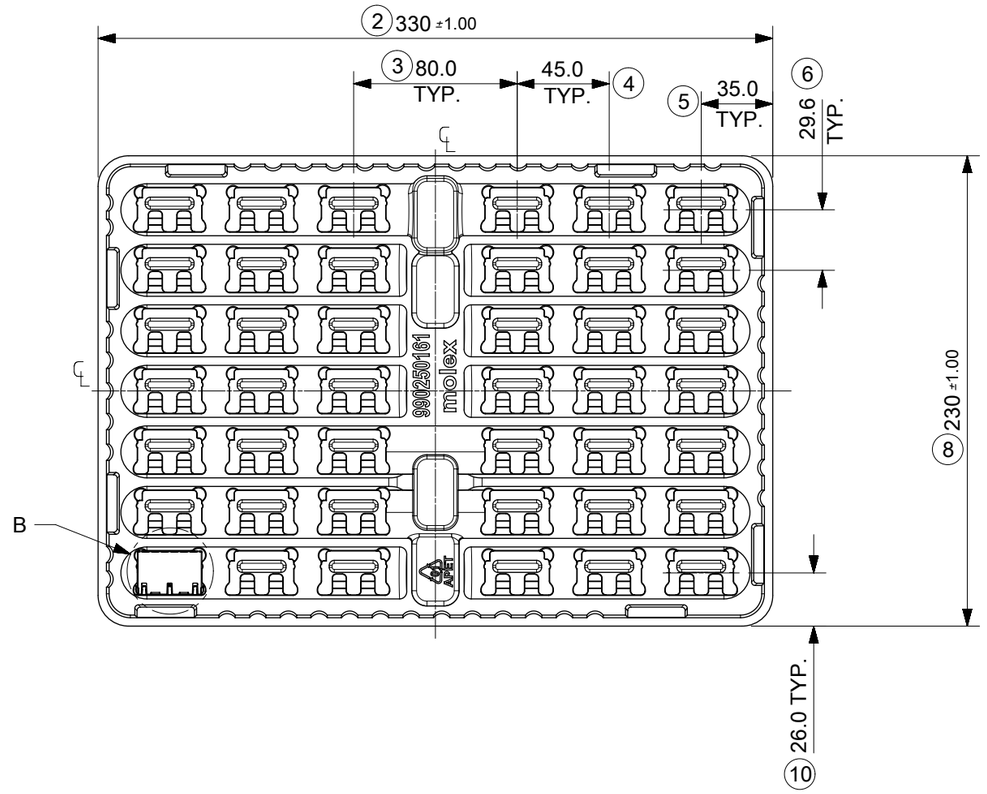






DETAIL B
SCALE 3:2





NOTES:
1. MATERIAL: PETA ANTISTATIC
2. THICKNESS: 0.9 mm REF
3. COLOUR: CLEAR
4. BOW 2 mm MAXIMUM PER 330 mm
5. TWIST 2 mm MAXIMUM PER 330 mm
6. TRAY PART NO. AND RECYCLE LOGO TO BE CLEARLY MARKED ON TRAY
   RECYCLE LOGO SHOULD BE APPROPRIATE TO MATERIAL USED
7. WHERE RELEVANT, DIMENSIONS SHOULD BE SYMMETRICAL ABOUT THE CENTRELINE
8. GENERAL PROFILE TOLERANCE ⌓ | 0.40 | ON NON DIMENSIONED FEATURES
9. PACKAGING SPECIFICATION: 938240001 PSK

DIMENSION NUMBERS DELETED: 7, 9, 11, 12
LAST INSPECTION NUMBER USED: 10

RELEASE STATUS	P1	RELEASE DATE	07.11.2017 10:13:22

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ORIGINAL RELEASE 2017/10/17
EC NO: 123046 2017/10/23
DRWN: DSHEA 2017/11/07
CHK'D: SMCGREEVY
APPR: DBYRNES

REV: A

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.2
1 PLACE ± 0.5
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: mm
SCALE: 1:3
DRWN BY: SMCGREEVY DATE: 2017/06/15
CHK'D BY: SMCGREEVY DATE: 2017/10/23
APPR BY: DBYRNES DATE: 2017/11/07
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex®

MXMAG DUAL PORT TRAY

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
99025	990250150	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
990250161	PSD	000	1 OF 1

FORMAT: master-tb-prod-A3
REVISION: G
DATE: 2015/12/14