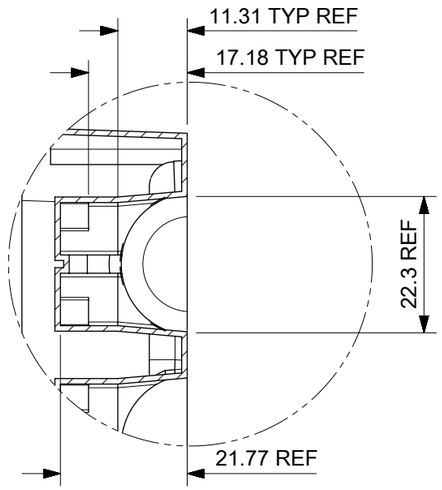
Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

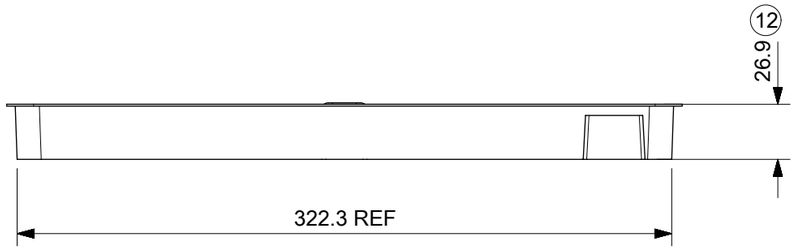
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

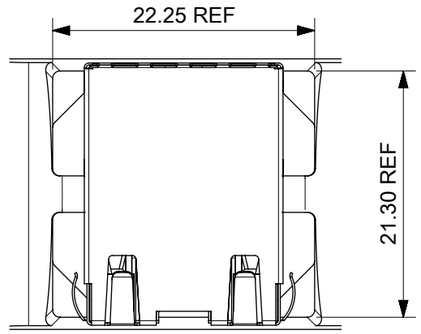
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

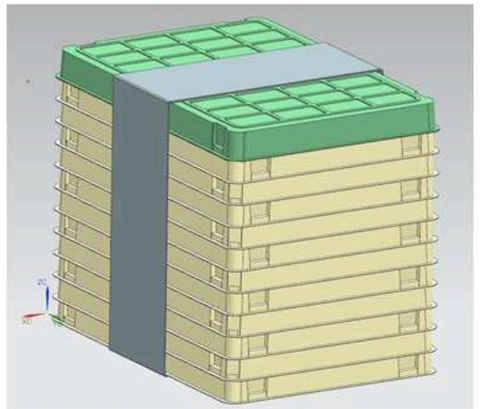


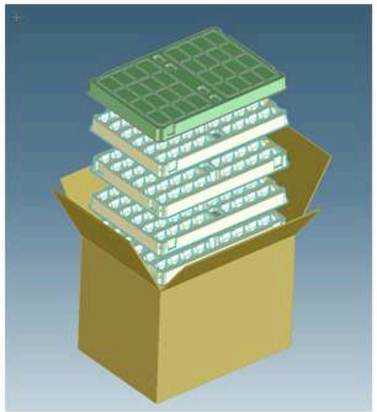
DETAIL B



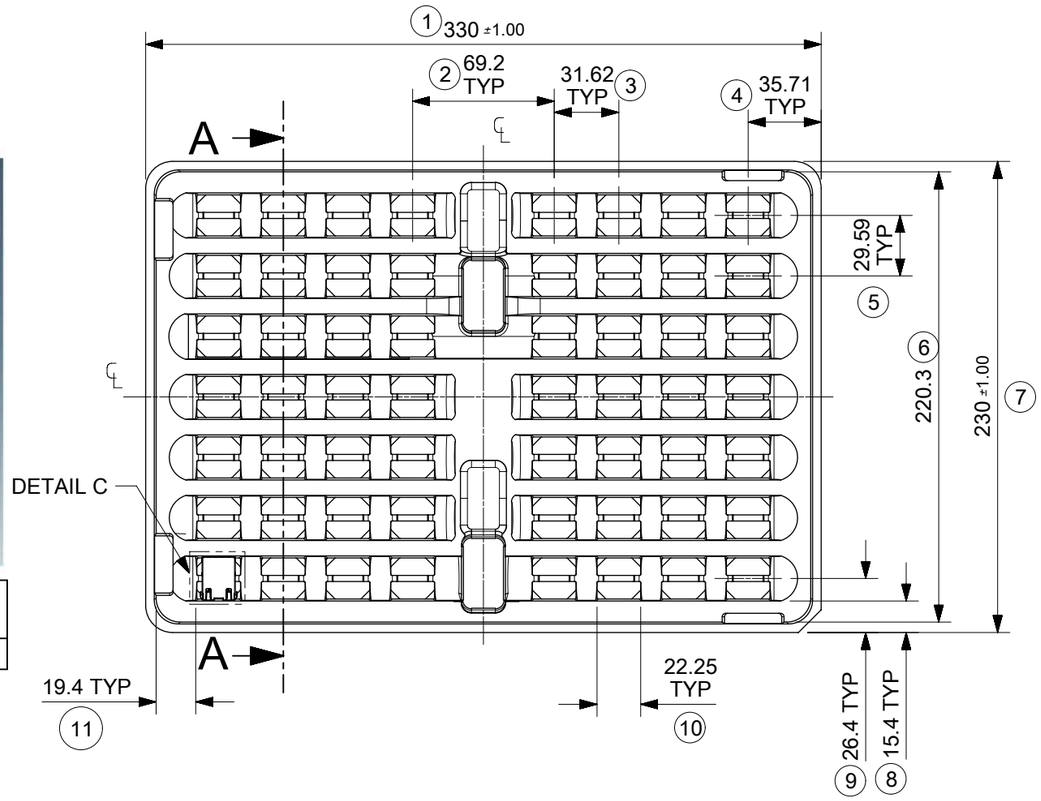


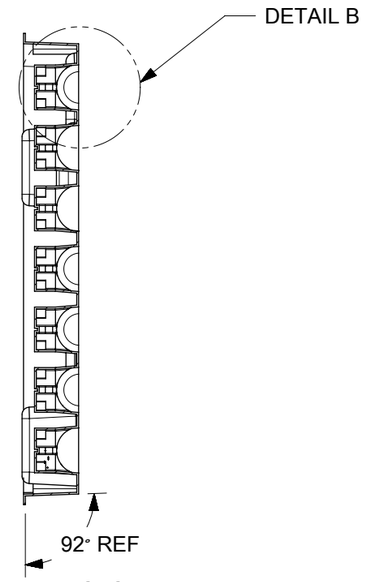
DETAIL C
SCALE 2:1





VERSION	QUANTITY PER TRAY	QUANTITY OF TRAYS PER BOX	QUANTITY PER BOX	QUANTITY PER PALLET
0.85" VERSION	56	12	672	18,144





SECTION A-A

NOTES:
1. MATERIAL: PETA ANTISTATIC
2. THICKNESS: 0.9mm ±0.05mm
3. COLOUR: CLEAR
4. BOW 2mm MAXIMUM PER 330mm
5. TWIST 2mm MAXIMUM PER 330mm
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

LAST INSPECTION NUMBER USED: 12

RELEASE STATUS	P1	RELEASE DATE	07.12.2016 13:31:26

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

QUALITY SYMBOLS
FA = 0
FC = 0
FD = 0
▼ = 0
▽ = 0
☒ = 0
■ = 0
C = 0

ORIGINAL RELEASE 2016/10/04
EC NO: 109024 2016/12/07
DRWN: DALLEN01 2016/12/07
CHK'D: DALLEN01
APPR: STGRIFFIN

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: KREILLY
DATE: 2016/05/06
CHK'D BY
DATE
APPR BY
DATE
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex®

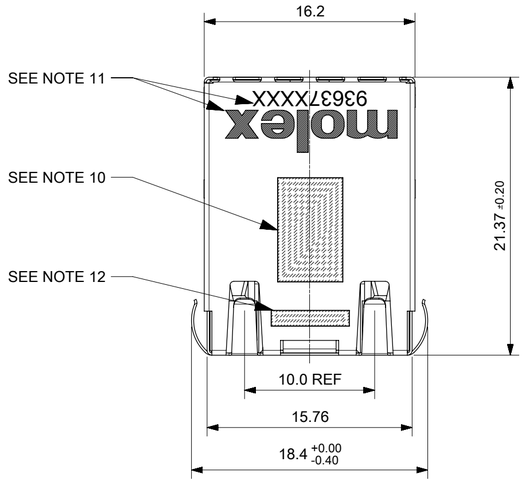
MXMAG STANDARD AND INVERTED TRAY

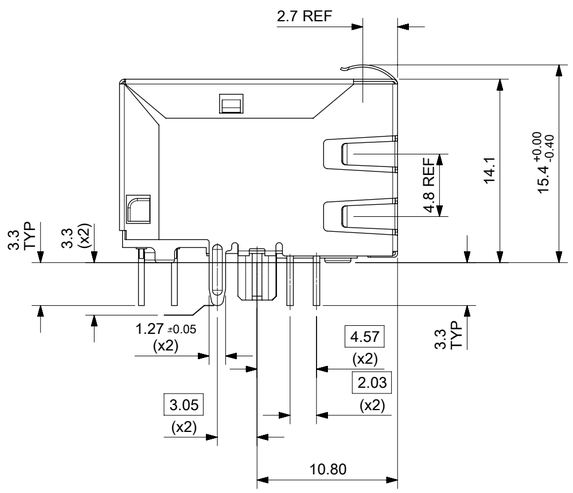
PRODUCT CUSTOMER DRAWING

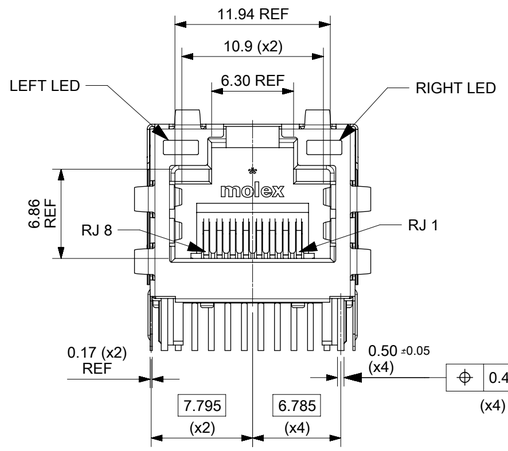
SERIES	MATERIAL NUMBER	CUSTOMER
93462	990250150	GENERAL MARKET

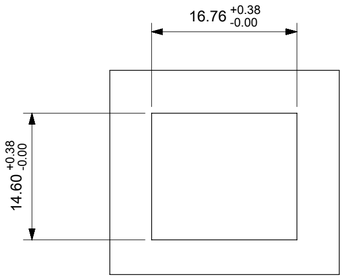
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
934620003	PSD	K	1 OF 1

INVERTED PROFILE MAGNETIC JACK
GIGABIT ETHERNET W/LED
AND W/SHIELD TABS

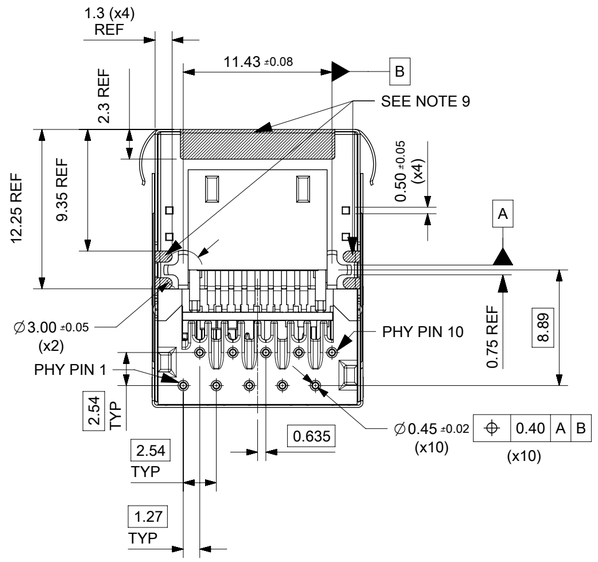


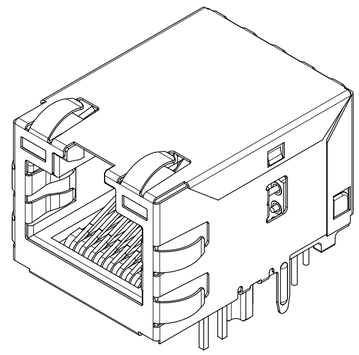


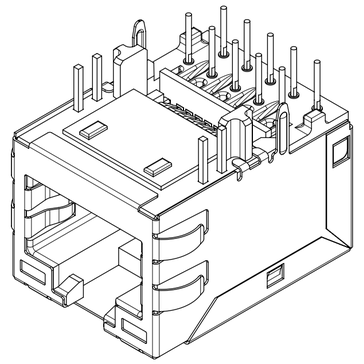




SUGGESTED PANEL CUT-OUT







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: 934620001 PSK TRAY
7 - STAND OFF TO SYSTEM BOARD 0.30 mm MIN
8 - RECOMMENDED PCB THICKNESS: 1.57 mm
9 - SHIELD: AVOID ROUTING ANY 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)
13 - MATERIAL COMPLIANT TO RoHS DIRECTIVE 2002/95/EC

REVISED
2017/05/09 EC NO: 116686
2017/09/12 DRWN: KREILLY
2017/09/26 CHK'D: DSHEA
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: C

DIMENSION UNITS: mm
SCALE: 3:1
DRWN BY: KREILLY DATE: 2015/09/29
CHK'D BY: DBYRNES DATE: 2017/02/22
APPR BY: STGRIFFIN DATE: 2015/11/19
DRAWING SIZE: A2
THIRD ANGLE PROJECTION

molex

INV MX-MAG 12 CORE GIG W/LEDS W/SHIELDS

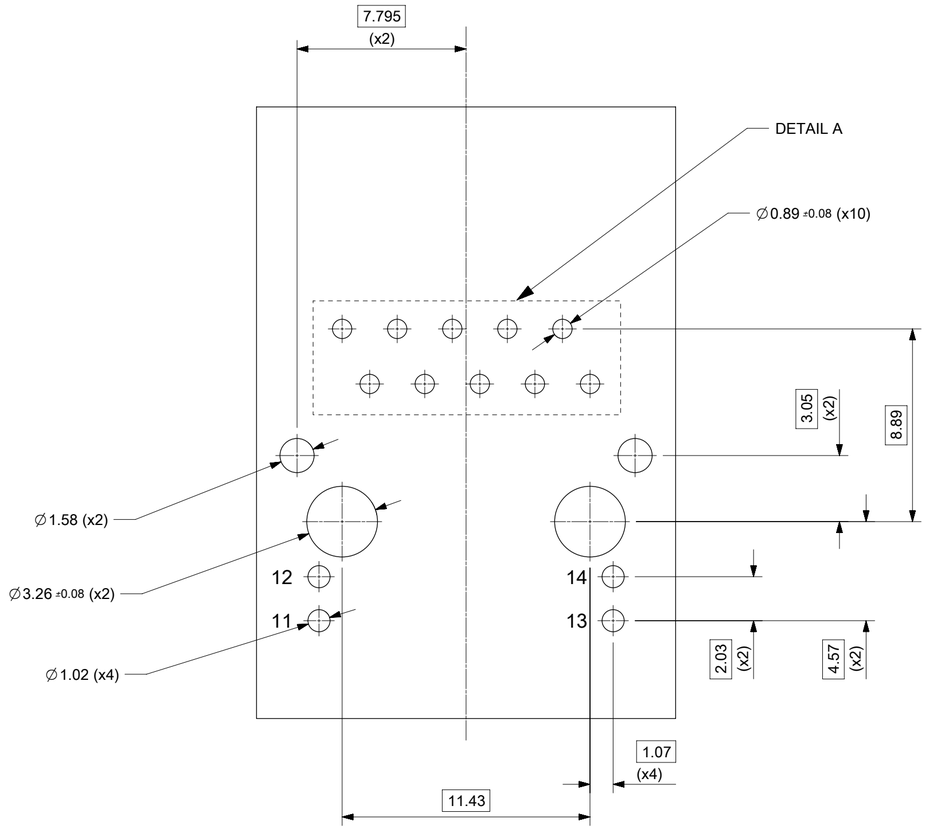
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
93637	SEE TABLE ON SHEET 2	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
936370003	PSD	000	1 OF 3

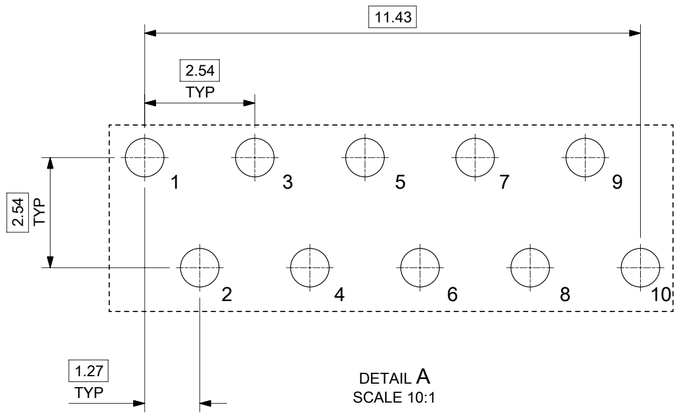
RELEASE STATUS	P1	RELEASE DATE	26.09.2017 10:55:52

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



PART NUMBER	LEFT LED	RIGHT LED
93637-8617	GREEN/ORANGE	YELLOW

SUGGESTED BOARD LAYOUT
GIGABIT VERSION
COMPONENT SIDE
ALL DIMS REFERENEC DIMS



DETAIL A
SCALE 10:1

PIN CONFIGURATION
FOR GIGABIT VERSION

REVISED
2017/05/09
2017/09/12
2017/09/26
EC NO: 116686
DRWN: KREILLY
CHK'D: DSHEA
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

DIMENSION UNITS	mm
SCALE	5:1
DRWN BY	KREILLY
DATE	2015/09/29
CHK'D BY	DBYRNES
DATE	2017/02/22
APPR BY	STGRIFFIN
DATE	2015/11/19
DRAWING SIZE	A2
THIRD ANGLE PROJECTION	

molex®

INV MX-MAG 12 CORE GIG W/LEDS W/SHIELDS

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
93637	SEE TABLE	GENERAL MARKET

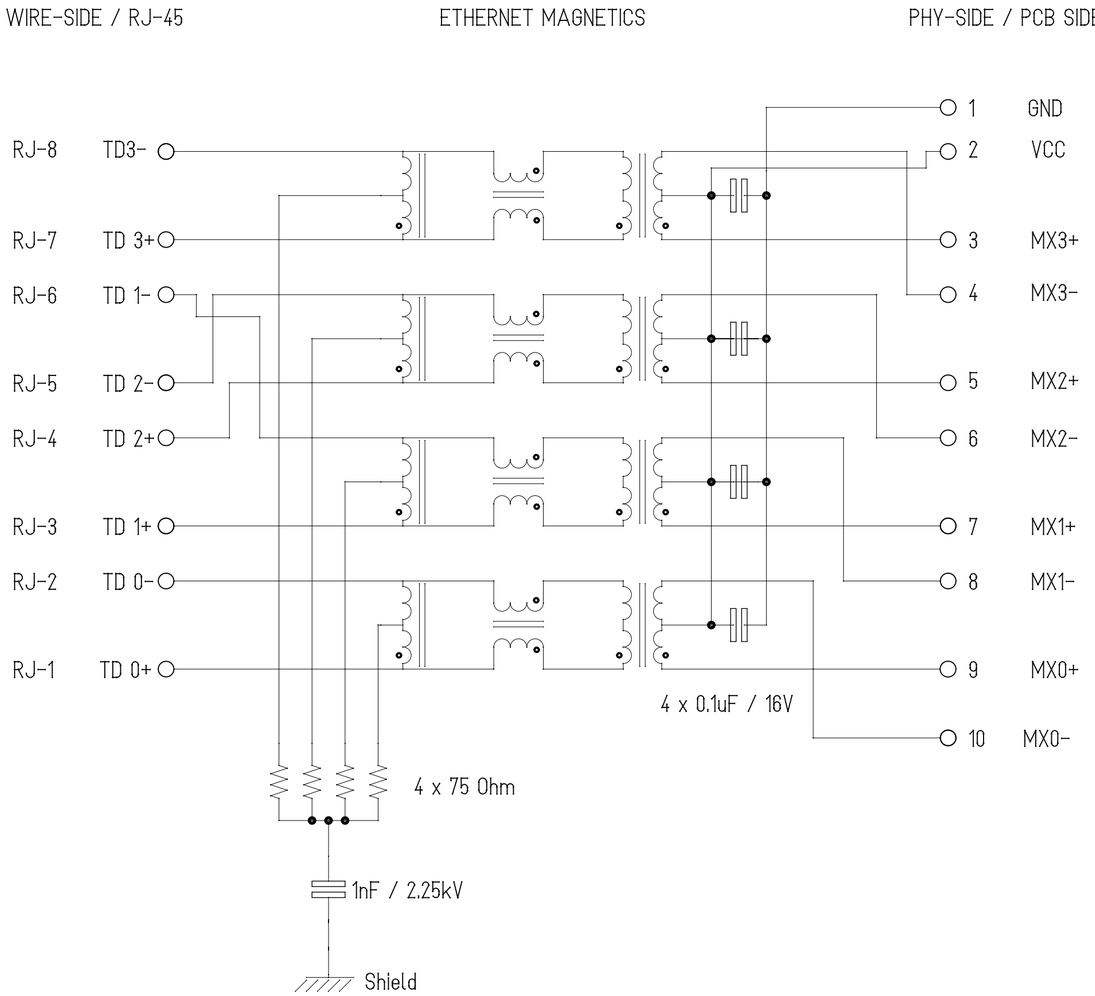
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
936370003	PSD	000	2 OF 3

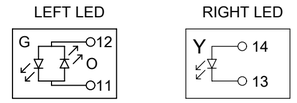
REV: C

RELEASE STATUS	P1	RELEASE DATE	26.09.2017	10:55:52

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

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 kVDC/60sec	





REVISED
EC NO: 116686 2017/05/09
DRWN: KREILLY 2017/09/12
CHK'D: DSHEA 2017/09/26
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: C

DIMENSION UNITS: mm
SCALE: 1:1
DRWN BY: KREILLY DATE: 2015/09/29
CHK'D BY: DBYRNES DATE: 2017/02/22
APPR BY: STGRIFFIN DATE: 2015/11/19
DRAWING SIZE: A2
THIRD ANGLE PROJECTION

molex®

INV MX-MAG 12 CORE GIG W/LEDS W/SHIELDS

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
93637	SEE TABLE ON SHEET 2	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
936370003	PSD	000	3 OF 3

RELEASE STATUS	P1	RELEASE DATE	26.09.2017 10:55:52

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