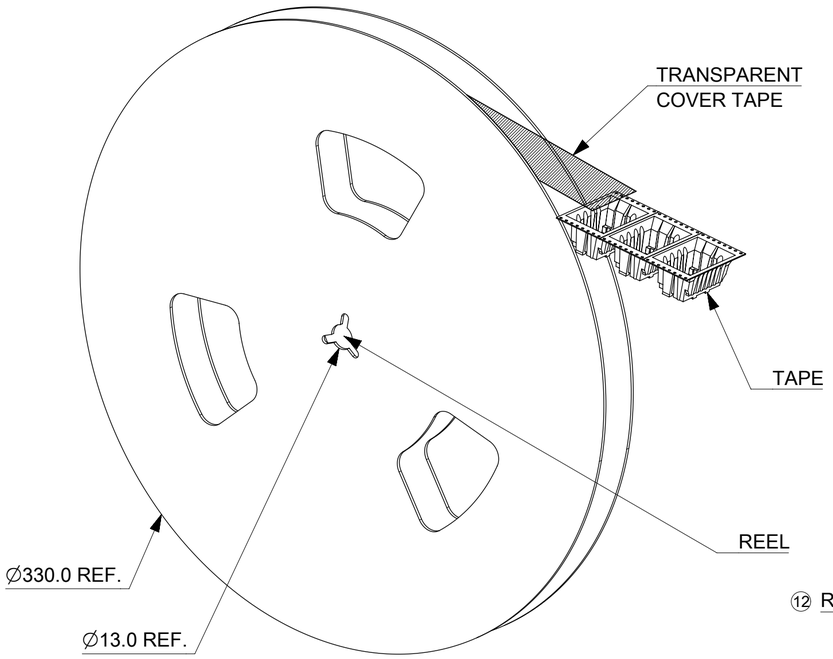
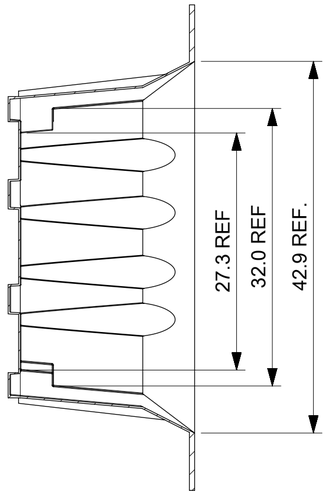
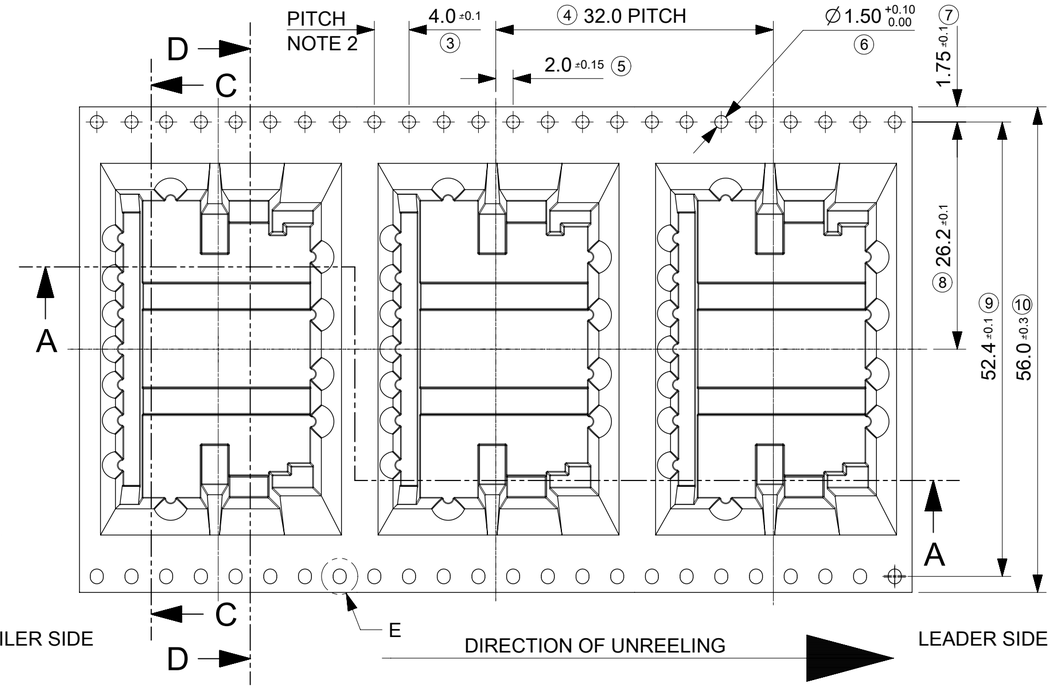




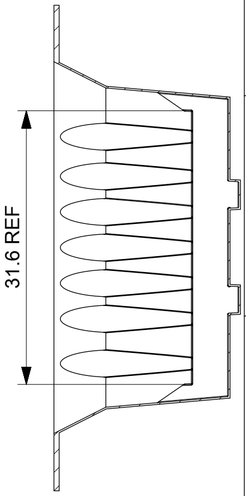
SECTION D-D



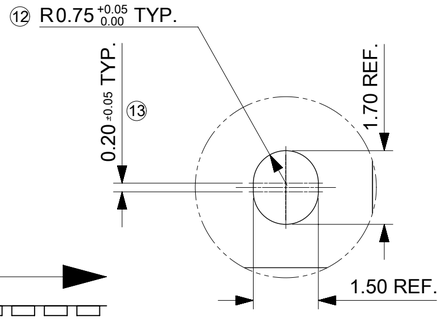
TRAILER SIDE

DIRECTION OF UNREELING

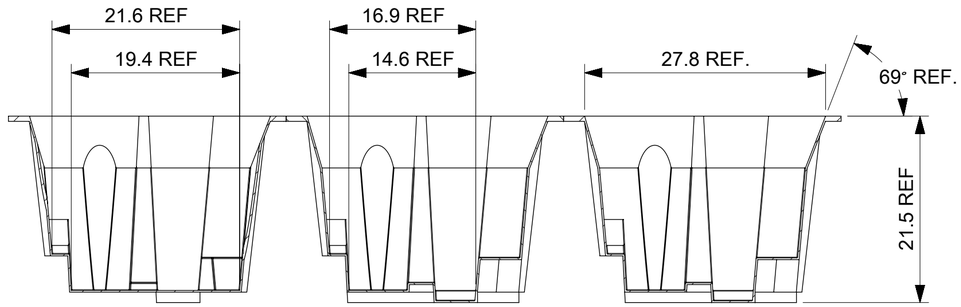
LEADER SIDE



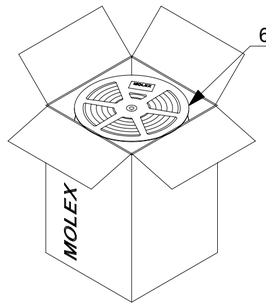
SECTION C-C



DETAIL E
SCALE 10:1

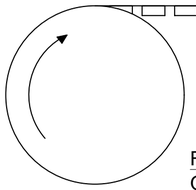


SECTION A-A



6 REELS/CARTON

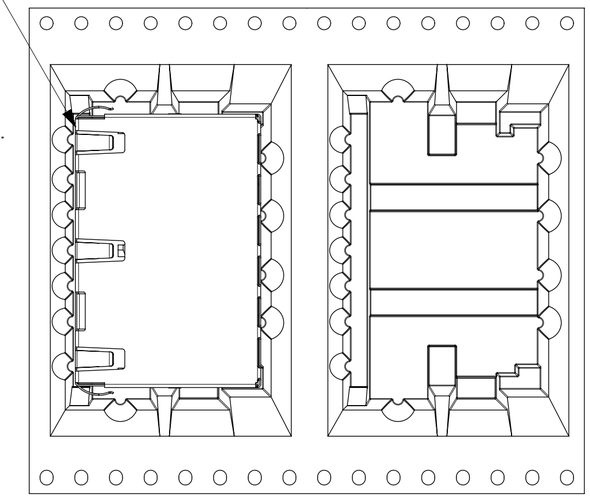
TO CUSTOMER
ASSEMBLY MACHINE



FRONT FACE
OF CONNECTOR

MOLEX REEL

				No OF EMPTY CAVITIES	
PIECES/REEL	PIECES/CARTON	REELS/CARTON	CAVITIES/REEL	TRAILER SIDE	LEADER SIDE
80	480	6	102	12	10



TAPE WITH CONNECTOR INSERTED
IN CORRECT ORIENTATION

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: 938240002 PSK.
5 - REFERENCE TO IEC 60286-3 EXCEPT WHERE NOTED
6 - LEADER: 400 mm MINIMUM OF COVER TAPE WITH AT LEAST
100 mm MINIMUM OF CARRIER TAPE. ALL POCKETS MUST BE EMPTY.
7 - TRAILER: 160 mm MINIMUM OF CARRIER TAPE. ALL POCKETS MUST BE EMPTY.
8 - THE CARRIER TAPE MUST BE RELEASED FROM THE REEL HUB AS THE LAST
PORTION OF CARRIER TAPE UNWINDS FROM THE REEL.
9 - LABELS SHALL BE PLACED ON EACH REEL AND ON THE CARTON

LAST INSPECTION NUMBER USED: 13
DELETED INSPECTION NUMBERS: 1, 2, 11

DOCUMENT STATUS	P1	RELEASE DATE	2018/09/11 11:43:55

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: REMOVED
INSPECTION NUMBERS

EC NO: 603842
DRWN: DSHEA 2018/09/03
CHK'D: DBYRNES 2018/09/11
APPR: DBYRNES 2018/09/11

INITIAL REVISION:
DRWN: SMCGREEVY 2017/05/19
APPR: DBYRNES 2017/11/07

THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 93823

molex

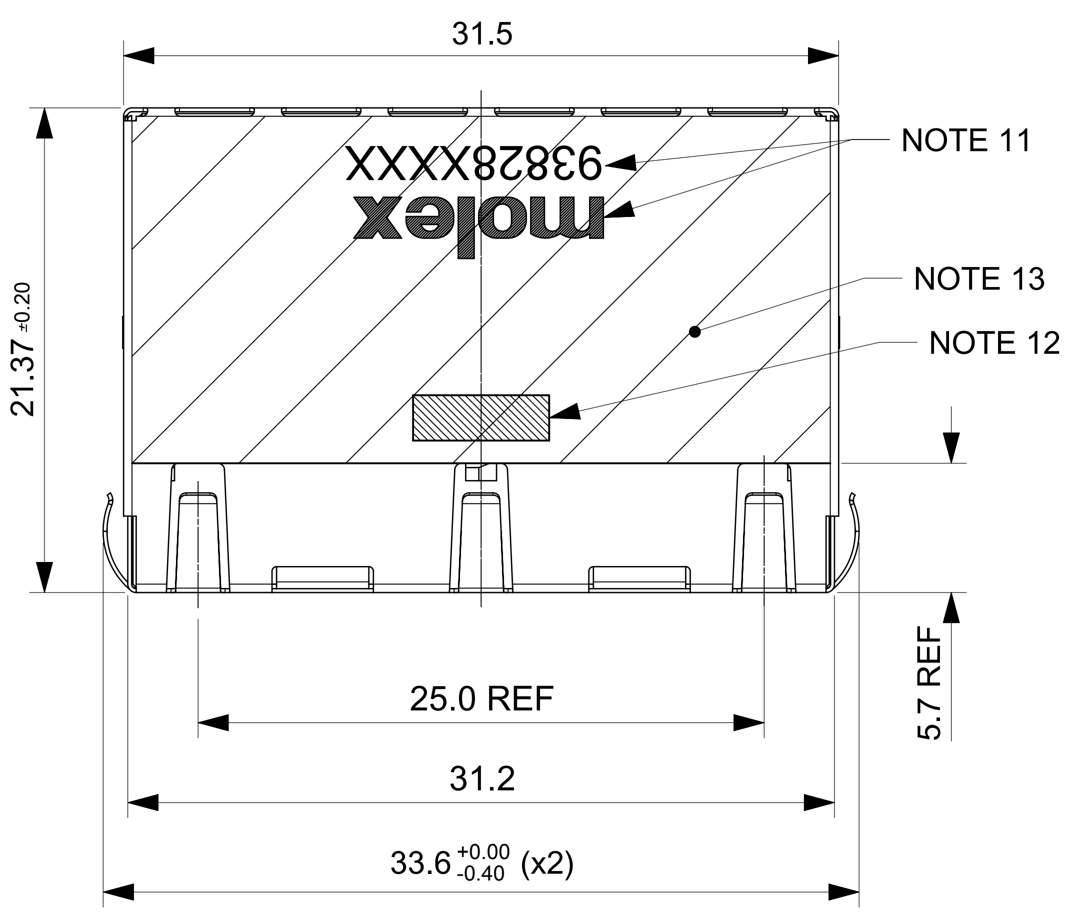
MXMAG DUAL PORT TAPE AND REEL PACKAGING

PRODUCT CUSTOMER DRAWING

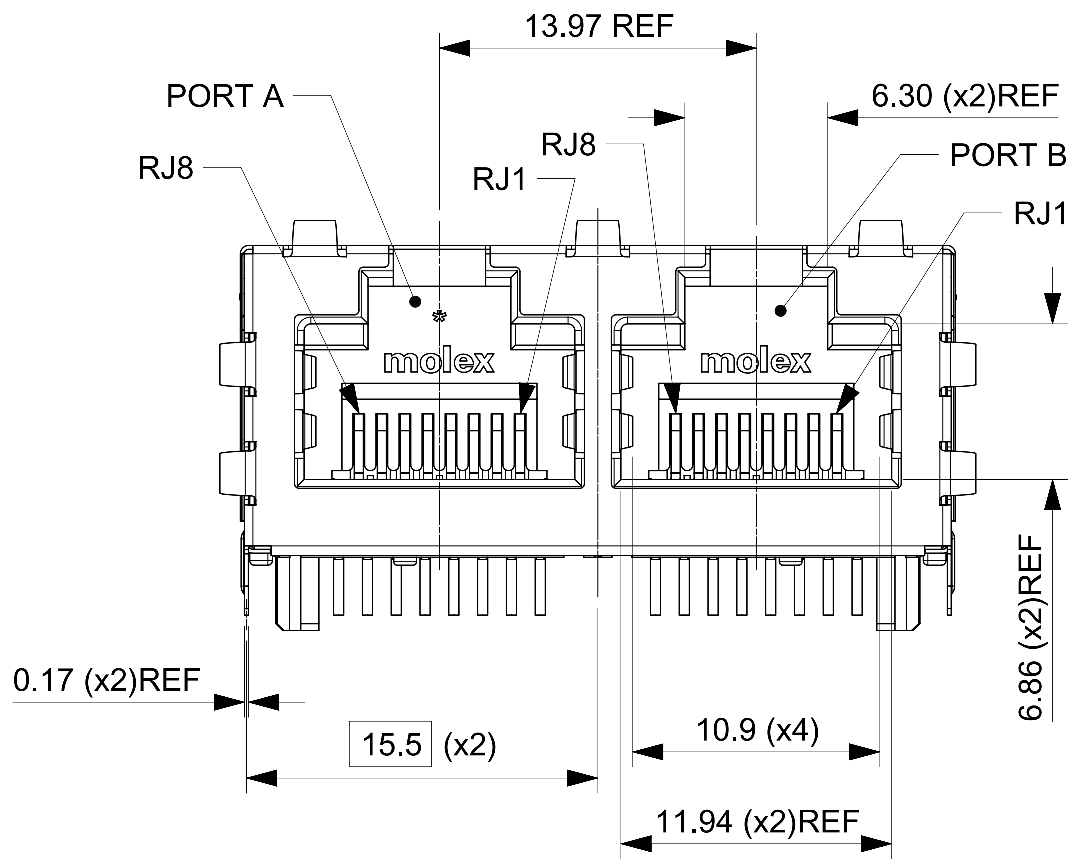
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
938230002	PSD	000	C

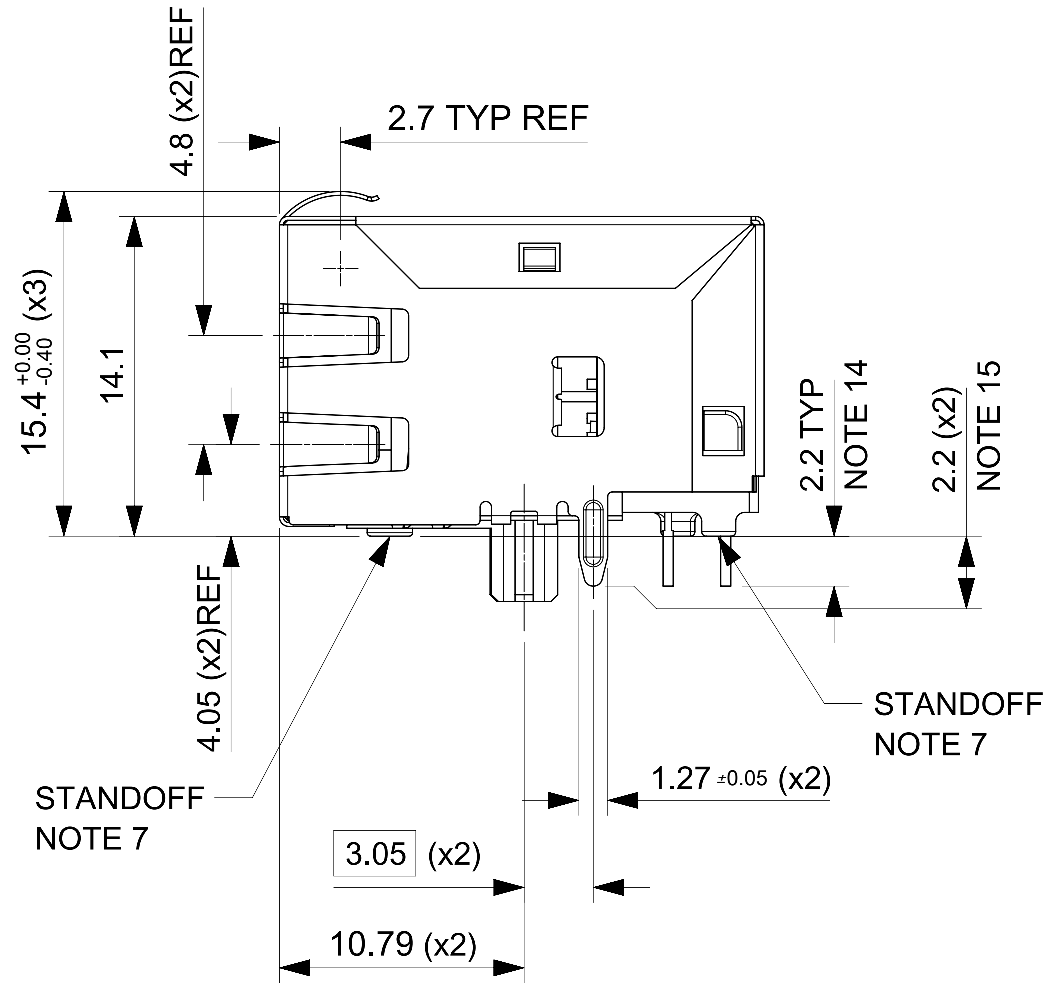
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 1

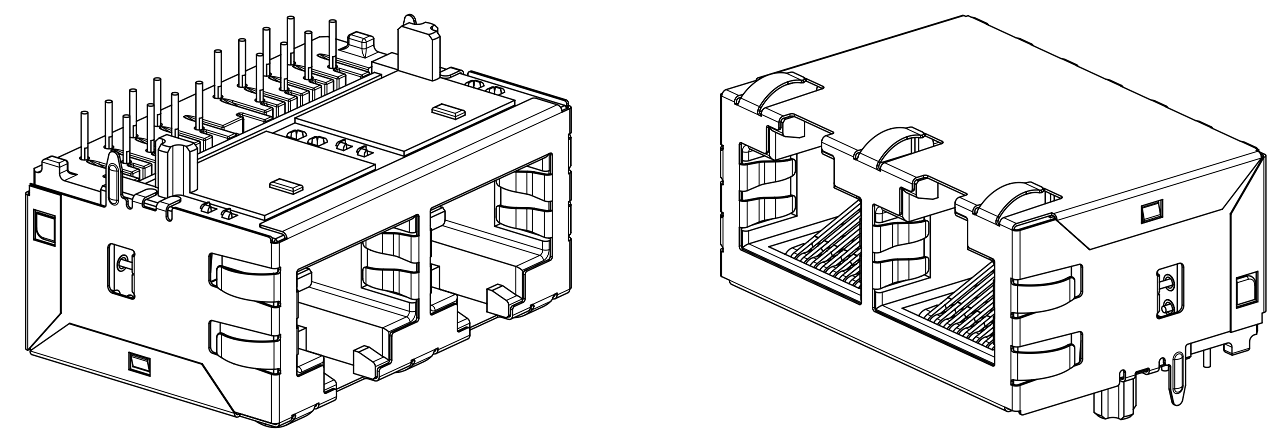
FORMAT: master-b-prod-A2
REVISION: H
DATE: 2016/01/18



PART NUMBER	938288020



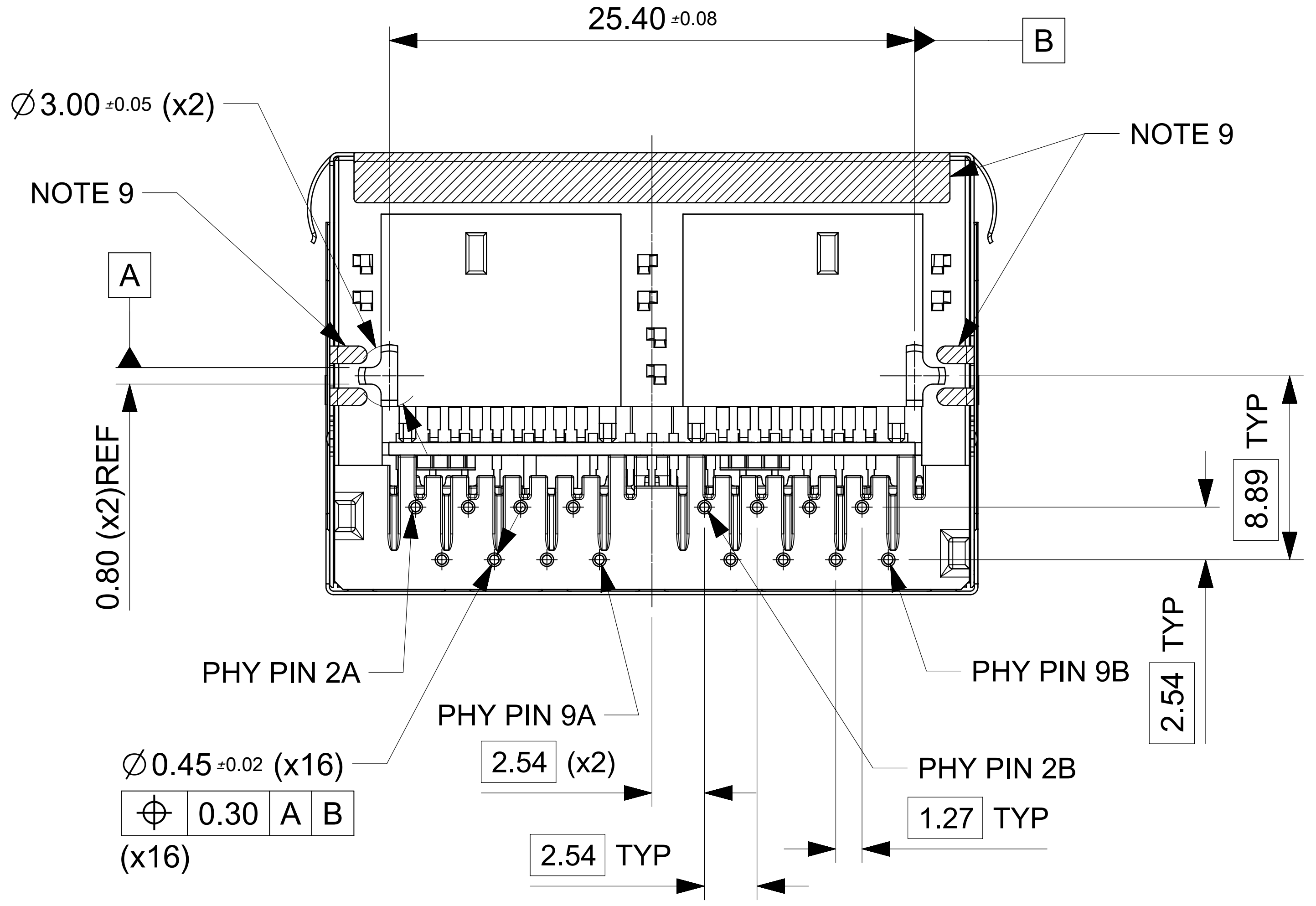




INVERTED PROFILE DUAL PORT MAGNETIC JACK
FAST ETHERNET
WITH SHIELD TABS

NOTES:

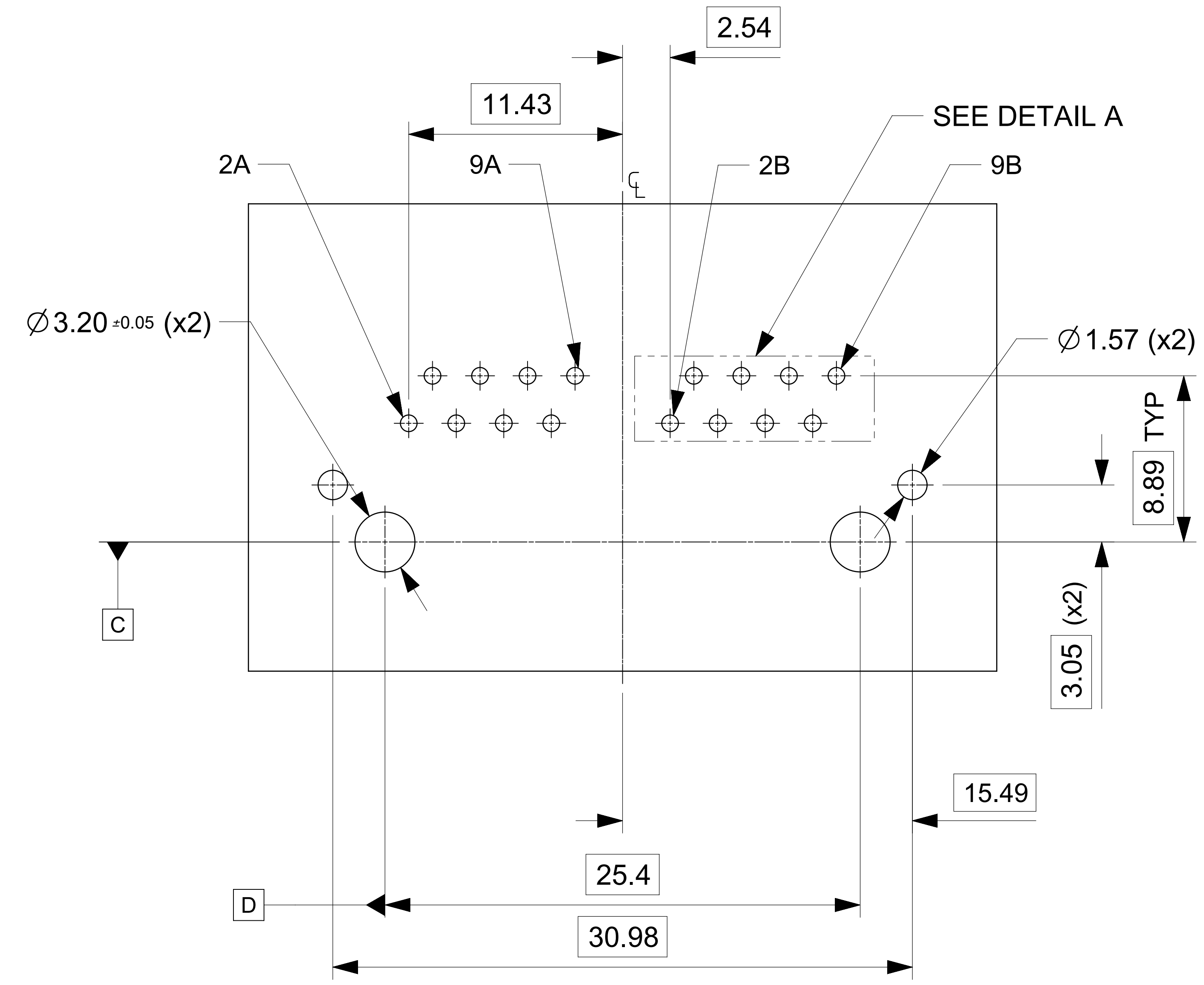
1 - SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN. 1.27 μm TIN
2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
3 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD
FLASH OVER PALLADIUM NICKEL. REFER TO 934620001 PSP
PHY SOLDER TAILS: COPPER ALLOY WITH TIN OVER NICKEL PLATING
4 - MATING INTERFACE ACCORDING TO IEC 60603-7 & TIA-1096-A
5 - PRODUCT SPECIFICATION: 934620001 PSP
6 - PACKAGING SPECIFICATION: 938240002 PSK TAPE & REEL
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 - FE VERSIONS DO NOT HAVE PINS 1A, 10A, 1B, 10B
11 - INSCRIPTION MARKED BY LASER:
1st: MOLEX
2nd: PART NUMBER
12 - INSCRIPTION MARKED BY LASER:
DATE CODE (DAY/WEEK/YEAR)
13 - THIS AREA OF THE TOP FACE MAY BE USED FOR PICK AND PLACE
14 - PHY PIN LENGTH
15 - SHIELD SOLDER TAB LENGTH

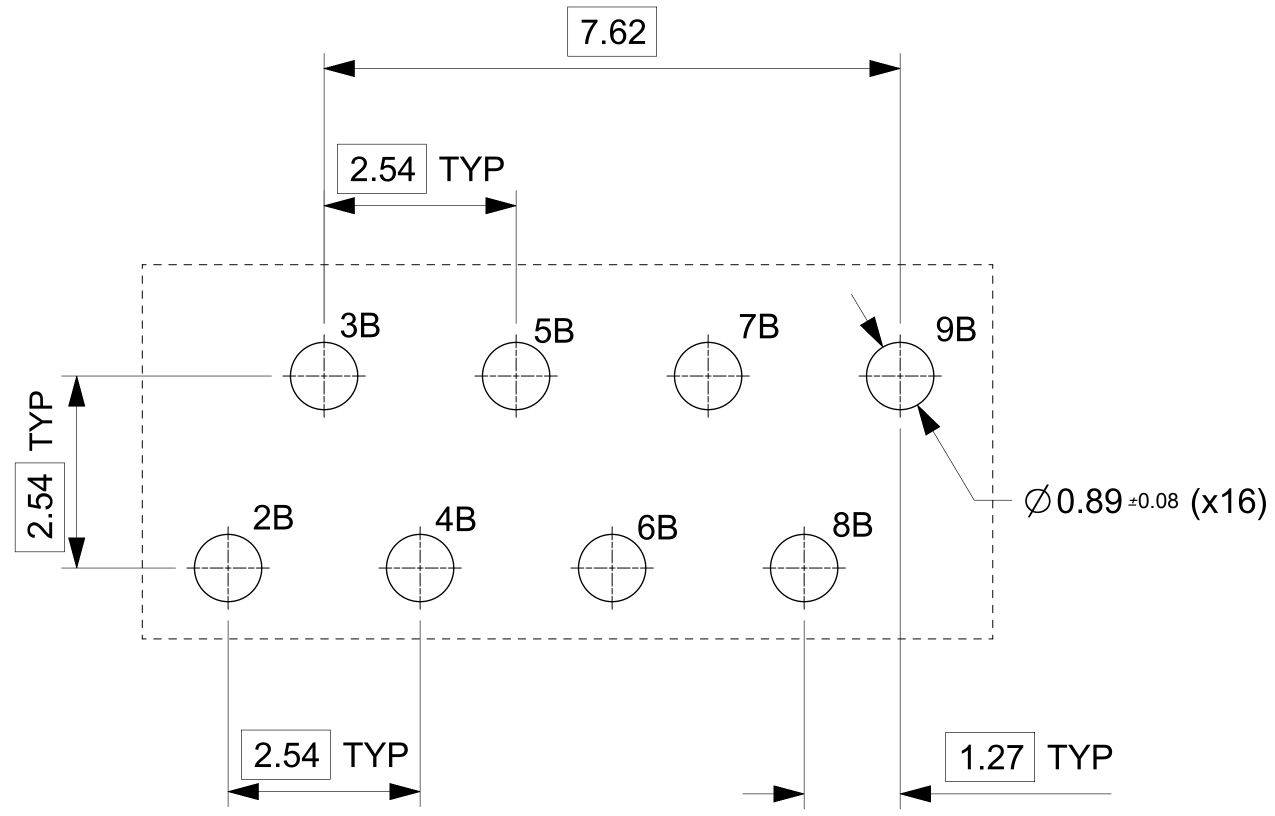


DIMENSION UNITS	SCALE	CURRENT REV DESC: UPDATED TITLE	
mm	3:1		molex
GENERAL TOLERANCES (UNLESS SPECIFIED)			MXMAG DUAL PORT 4C FE INDUSTRIAL W/O LED REFLOW CAPABLE
ANGULAR TOL ±	2.0 °	EC NO: 605496	
4 PLACES ±		DRWN: DSHEA 2018/09/25	
3 PLACES ±		CHK'D: DBYRNES 2019/05/07	
		APPR: DBYRNES 2019/05/07	PRODUCT CUSTOMER DRAWING
2 PLACES ±	0.1	INITIAL REVISION:	DOCUMENT NUMBER: 938280002 / DOC TYPE: PSD / DOC PART: 000 / REVISION: C
1 PLACE ±	0.2	DRWN: DSHEA 2017/07/04	
0 PLACES ±		APPR: DBYRNES 2017/11/07	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION / DRAWING: A2-SIZE / SERIES: 93828	MATERIAL NUMBER: SEE CHART / CUSTOMER: GENERAL MARKET / SHEET NUMBER: 1 OF 3

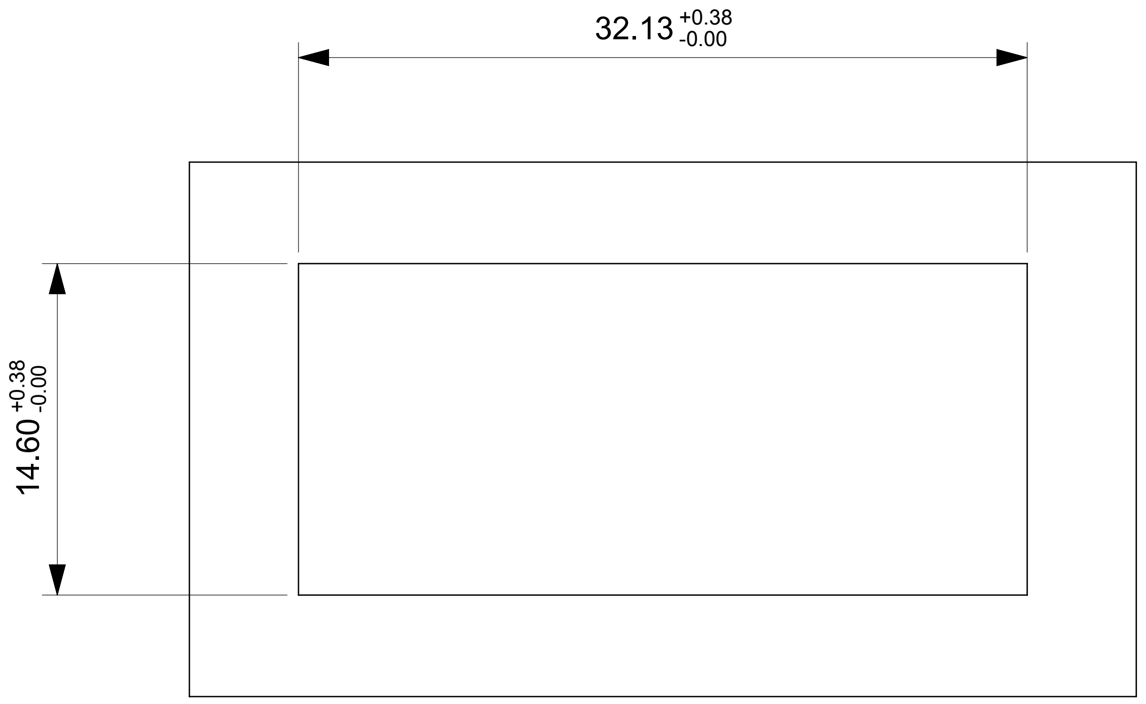
DOCUMENT STATUS	P1	RELEASE DATE	2019/05/07 13:51:20

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





DETAIL A
SCALE 10:1



SUGGESTED PANEL CUTOUT

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: 605496
DRWN: DSHEA 2018/09/25
CHK'D: DBYRNES 2019/05/07
APPR: DBYRNES 2019/05/07

INITIAL REVISION:
DRWN: DSHEA 2017/07/04
APPR: DBYRNES 2017/11/07

THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 93828

molex

MXMAG DUAL PORT 4C FE INDUSTRIAL W/O LED REFLOW CAPABLE

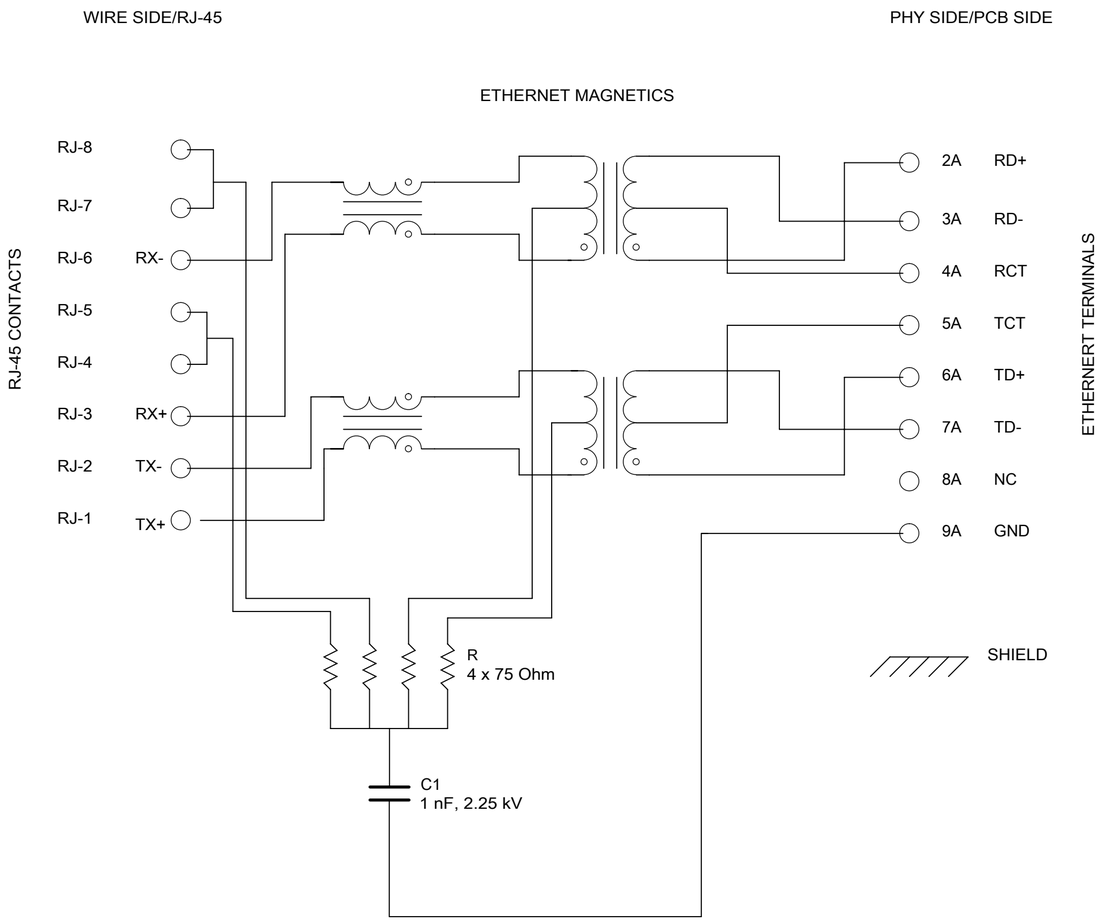
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
938280002	PSD	000	C

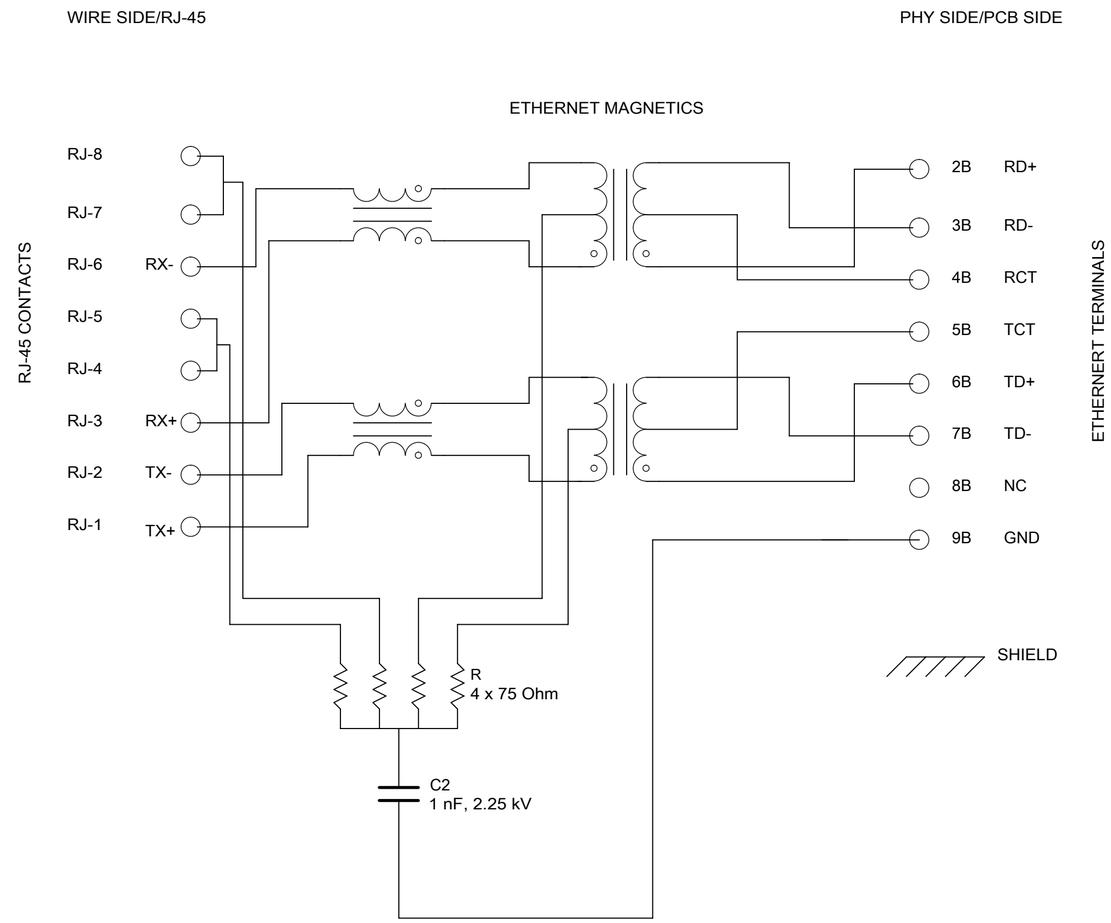
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 1	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/05/07	13:51:20

PORT A



PORT B



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 @ 50MHz
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	

DIMENSION UNITS	SCALE
mm	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: 605496
DRWN: DSHEA 2018/09/25
CHK'D: DBYRNES 2019/05/07
APPR: DBYRNES 2019/05/07

INITIAL REVISION:
DRWN: DSHEA 2017/07/04
APPR: DBYRNES 2017/11/07

THIRD ANGLE PROJECTION | DRAWING: A2-SIZE | SERIES: 93828

molex

MXMAG DUAL PORT 4C FE INDUSTRIAL W/O LED REFLOW CAPABLE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
938280002	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 1	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/05/07 13:51:20

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