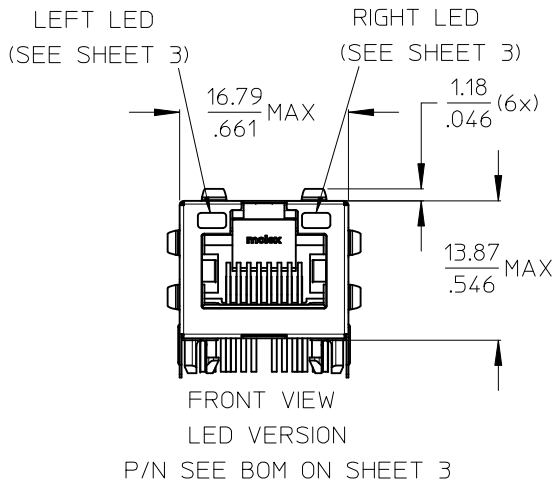
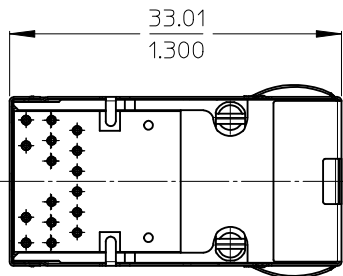
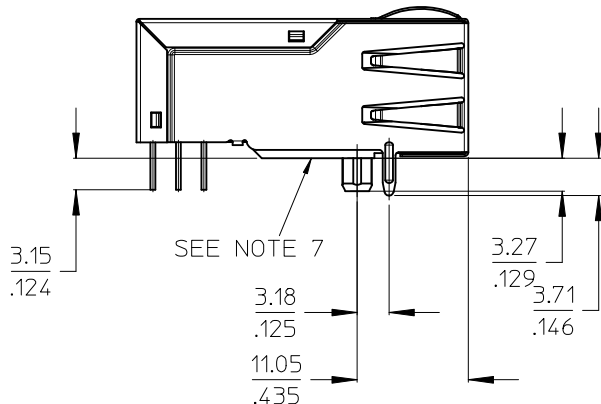
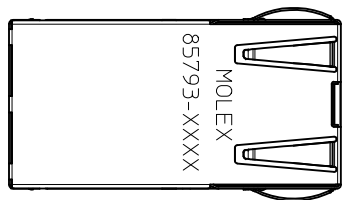
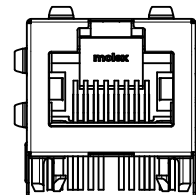


GIGABIT SINGLE PORT MAGNETIC JACK

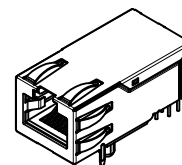


NOTES:

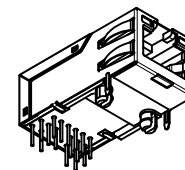
- 1 - SHIELD MATERIAL: STAINLESS STEEL
(GROUND PINS ARE SOLDER DIPPED)
- 2 - PLASTIC MATERIAL: PBT, BLACK, UL 94V-0
- 3 - TERMINALS MATERIAL: PHOSPOR BRONZE
RJ45 CONTACTS PLATING: 0.76MICROMETER GOLD
OVER 1.9MICROMETER NICKEL ON MATING AREA
SOLDER TERMINALS: 3MICROMETER TIN
- 4 - JACK TO BE MATED WITH FCC 68.5 PLUGS /
IEC 60603-7 PLUGS
- 5 - PRODUCT SPECIFICATION: PS-85793-001
- 6 - PACKAGING SPECIFICATION: PK-85759-001
- 7 - STAND OFF TO SYSTEM BOARD



FRONT VIEW
NON LED VERSION
P/N 85793-1020

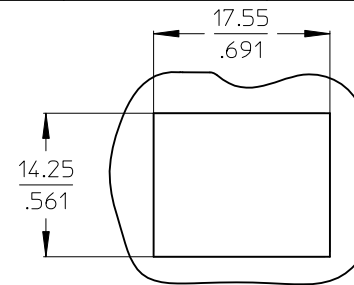
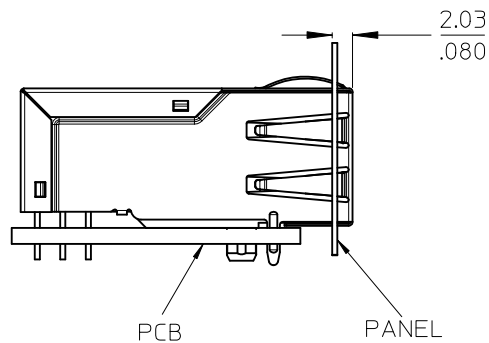


NON LED VERSION
SCALE 1:1



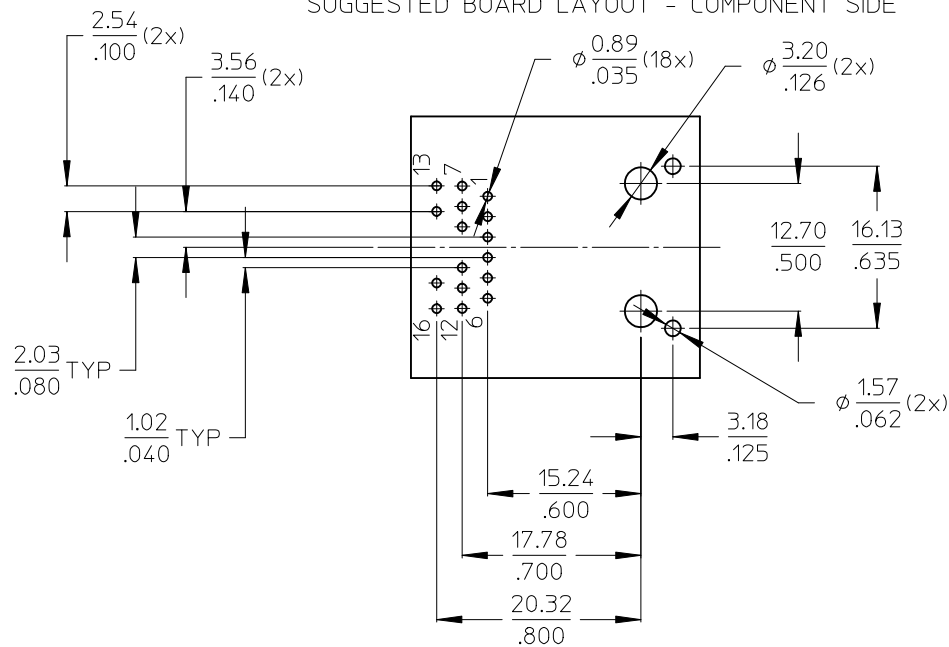
LED VERSION
SCALE 1:1

ENTER DESCRIPTION EC NO: MG2011-0029 DRWN:MMANGARUDOV 2010/05/31 CHKD:PTUNN 2010/10/29 APPR:SSSTEINKE 2010/10/29 2		DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm INCH		DRAWN BY DATE		TITLE HYPERJACK 1000 BASE-T 1X1			
				4 PLACES	± --- ± ---	JBADER 2010/04/16					
				3 PLACES	± --- ± ---	CHECKED BY DATE					
				2 PLACES	± 0.05 ± ---	MMANGARUDOV 2010/04/16					
				1 PLACE	± 0.10 ± ---	APPROVED BY DATE		MOLEX MOLEX INCORPORATED			
				ANGULAR ± .5 °		SSTEINKE 2010/10/29					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SEE SHEET 3		SD-85793-101		1 OF 3	
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

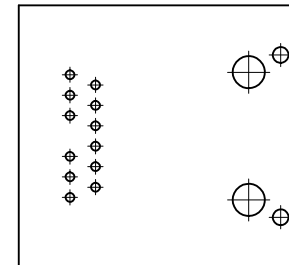


SUGGESTED PANEL CUTOUT

SUGGESTED BOARD LAYOUT - COMPONENT SIDE



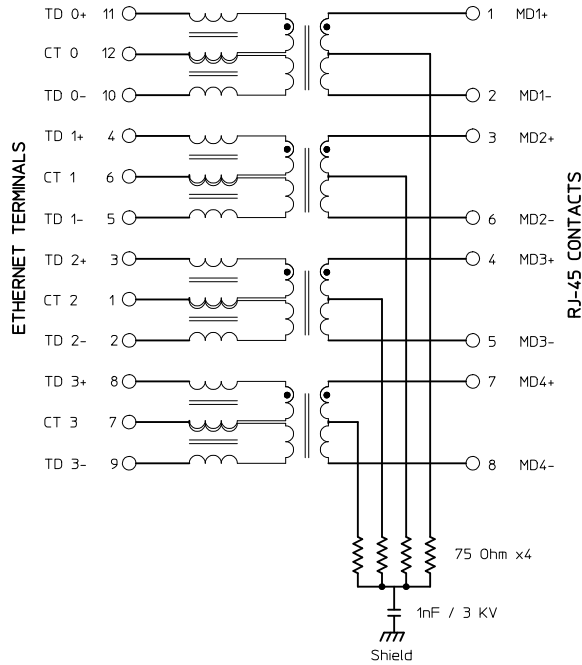
SUGGESTED BOARD LAYOUT FOR NON LED VERSION



ENTER DESCRIPTION EC NO: MG2011-0029 DRAWN:MMANGARUDOV 2010/05/31 CHKD:PTJUN 2010/10/29 APPR:SSTE INKE 2010/10/29		DESCRIPTION	QUALITY SYMBOLS ▽=0 ◁=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						DRAWN BY DATE		TITLE HYPERJACK 1000 BASE-T 1X1			
						JBADER 2010/04/16					
						CHECKED BY DATE					
				4 PLACES ± --- ± ---		MMANGARUDOV 2010/04/16		MOLEX INCORPORATED			
				3 PLACES ± --- ± ---		APPROVED BY DATE					
				2 PLACES ± 0.05 ± ---		SSTE INKE 2010/10/29					
				1 PLACE ± 0.10 ± ---		MATERIAL NO.		DOCUMENT NO.			
				ANGULAR ± .5 °		SEE SHEET 3		SD-85793-101			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SHEET NO. 2 OF 3			
2		REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

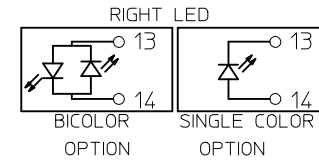
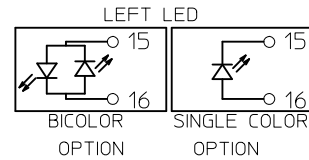
Electrical Specifications @25°C		
Operating temperature 0°C to +70°C		
Description	Value	
OCL 8mA bias (0°C to +70°C)	350μH min.	
Turns Ratio	1CT:1CT	
Insertion Loss		
Frequency (MHz)	Limits (dB max.)	Typical Values (dB max.)
10-9.9 MHz	0.4+0.1*log(F)	0.5 @ 10MHz
10-49.9 MHz	0.5+0.3*log(F/10)	0.7 @ 50MHz
50-79.9 MHz	1+1.4*log(F/80)	1.0 @ 80MHz
80-100 MHz	1.3+3*log(F/100)	1.3 @ 100MHz
Return Loss		
Frequency (MHz)	Limits (dB min.)	TYPICAL Values (dB min.)
1-9.9 MHz	27dB min.	27 @ 10MHz
10-100 MHz	27-17*log(F/10)	10 @ 100MHz
CMR		
Frequency (MHz)	Limits (dB min.)	TYPICAL Values (dB min.)
1-9.9 MHz	34dB min.	34 @ 10MHz
10-79.9 MHz	27dB min.	27 @ 80MHz
80-199.9 MHz	27-14.5*log(F/80)	21.5 @ 200MHz
200-399.9 MHz	21.5-39*log(F/200)	10 @ 400MHz
400-1000 MHz	10	10 @ 1000MHz
NEXT		
Frequency (MHz)	Limits (dB min.)	TYPICAL Values (dB min.)
1-5.9 MHz	50	50 @ 6MHz
6-49.9 MHz	45-16*log(F/10)	34 @ 50MHz
50-100 MHz	25-30*log(F/100)	25 @ 100MHz
Isolation PHY to Wire side	2.25kVDC/60sec	

PHY SIDE / PCB SIDE ETHERNET MAGNETICS WIRE SIDE / RJ45



PART NUMBER	LED1 POLARITY			LED2 POLARITY		
	LEFT LED			RIGHT LED		
	PIN15	PIN16	COLOUR	PIN13	PIN14	COLOUR
85793-1001	-	+	GREEN	-	+	GREEN
85793-1003	-	+	GREEN	-	+	GREEN
	+	-	ORANGE			
85793-1006	-	+	GREEN	-	+	YELLOW
85793-1007	-	+	GREEN	-	+	GREEN
	+	-	YELLOW			
85793-1012	-	+	YELLOW	-	+	GREEN
	+	-	GREEN			
85793-1013	-	+	YELLOW	-	+	YELLOW
	+	-	GREEN	+	-	GREEN
85793-1014	-	+	YELLOW	-	+	GREEN
85793-1020	NON LED					

ADDITIONAL LED COLORS AND CONFIGURATIONS
AVAILABLE ON REQUEST



ENTER DESCRIPTION EC NO: MG2011-0029 DRWN:MMANGARUDOV 2010/05/31 CHKD:PTUNN 2010/10/29 APPR:SSTE INKE 2010/10/29		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
2	REV				mm	INCH	DRAWN BY	DATE	TITLE HYPERJACK 1000 BASE-T 1X1		
				4 PLACES	± ---	± ---	JBADER	2010/04/16			
				3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
				2 PLACES	± 0.05	± ---	MMANGARUDOV	2010/04/16			
				1 PLACE	± 0.10	± ---	APPROVED BY	DATE			
		ANGULAR ± .5 °		SSTE INKE	2010/10/29	DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE BOM		SD-85793-101		3 OF 3	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					