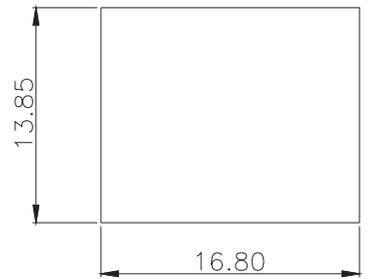


Recommended PCB Layout
(Component Side)



Recommended Panel Cut-out

SPECIFICATIONS

- ELECTRICAL: CURRENT RATING: 1.5A
 VOLTAGE RATING: 125V AC
 INSULATION RESISTANCE: 500MΩ Mini
 WITHSTAND VOLTAGE: AC 1500 V RMS 50Hz OR 60Hz 1 Min
 CONTACT RESISTANCE: 20mΩ Max
- MECHANICAL: INSERTION FORCE: 2 CONTACTS----350g 4 CONTACTS----500g
 6 CONTACTS----750g 8 CONTACTS----900g
 10 CONTACTS----1050g
- RETENTION STRENGTH: 7.7Kg BETWEEN JACK AND PLUG
 DURABILITY: 750 MATING CYCLES Mini

- MATERIAL: HOUSING: GLASS FILLED PBT (UL 94V-0)
 SPRING WIRE: 0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL
 SHIELDING: 0.20mm THICKNESS COPPER ALLOY WITH TIN PLATED
 WORKING TEMPERATURE: -40°C ~ 70°C



TITLE	SINGLE MODULAR JACK W/ MAGNETICS & LEDS RoHS	OPEN TOLERANCES Fraction Decimals Angles X ±0.50 ± 1° XX ±0.25 XXX ±0.25 X.XXX ±0.10	DWG. Kate 03/27/12'		
PART NO.	MTCLMI-1811SNQ-R	SCALE 2 : 1	CKD. Justin 03/27/12'		
REF. NO.		QA. NO.	APPD. Justin 03/27/12'	A	New Release 03/27/12'
				REV.	DESCRIPTION DATE

Order Information

MTCLMI-18 1 1 S N Q-R

LED code
(see box)

Shielding

N = without grounding tabs

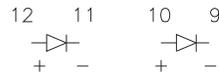
Schematics

Q - B19

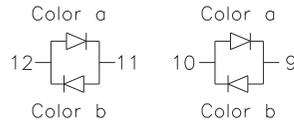
Contact GTK for other options

LED Configuration (Type A)

Single Color LED



Bi-Color LED



LED Codes

code	LED 2 (left)	LED 1 (right)
0	No LED	No LED
1	Yellow	Green
2	No LED	Green
3	Green	Yellow
4	Green	Green
5	Yellow	Yellow
6	Yellow/Green	Yellow/Green
7	Green/Red	Green/Red
8	Yellow/Green	Yellow
9	Green/Orange	Yellow

Further LED options available on request



GTK UK LTD.

TITLE
SINGLE MODULAR JACK W/
MAGNETICS & LEADS RoHS

PART NO. MTCLMI-1811SNQ-R REV. A

REF. NO.



SCALE 2 : 1

QA. NO.

OPEN TOLERANCES
Fraction Decimals Angles
X ±0.50 ± 1°
XX ±0.58
XXX ±0.75
X.XXX ±0.10

SCALE 2 : 1 SHEET 2 of 3

APPD. Justin 03/27/12'

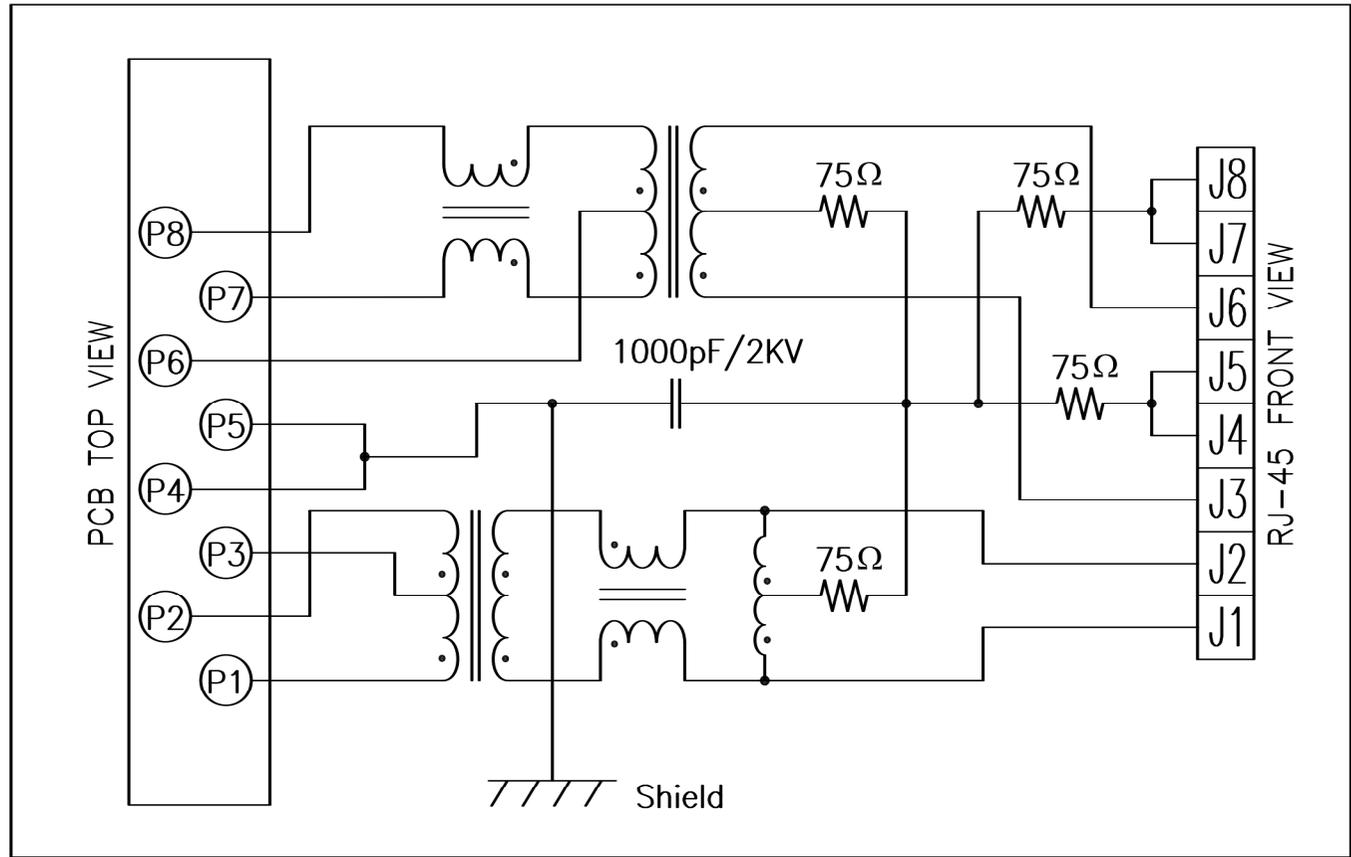
DWG. Kate 03/27/12'

CKD. Justin 03/27/12'

APPD. Justin 03/27/12'

REV.	DESCRIPTION	DATE
A	New Release	03/27/12'

Schematic B19



10/100 MB ELECTRICAL CHARACTERISTICS @ 25°C

Isolation Voltage(Input to Output): 1500 Vrms

Turns Ratio: TX 1CE:1CT ±5% ; RX 1CE:1CT ±5%

Insertion Loss: -1dB Max. @1-100MHz

Return Loss:

1-30MHz	30-60MHz	60-80MHz
-18dB	-16dB	-12dB

(Min.)

Common Mode Rejection:

1-50MHz	50-150MHz
-30dB	-20dB

(Min.)

Cross Talk:

1-30MHz	30-60MHz	60-80MHz
-40dB	-35dB	-30dB

(Min.)

Inductance: 350uH Min with 8mA DC Bias, @100KHz/100mV



GTK UK LTD.

TITLE		OPEN TOLERANCES Function Outside Angles L ± 0.50 L < 0.50 L > 0.50 L < 0.25 L > 0.25	DWG. Kate 03/27/12'		
Filter Schematic B19 Type			CKD. Justin 03/27/12'		
PART NO.	MTCLMI-1811SNQ-R	REV. A	SCALE 1:1	SHEET 3 of 3	APPD. Justin 03/27/12'
REF. NO.		QA. NO.			
				A	New Release 03/27/12
				REV.	DESCRIPTION DATE