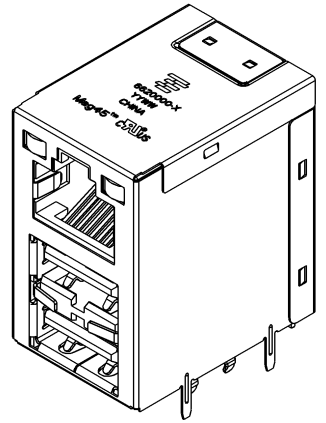
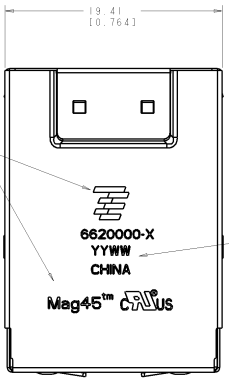


REV		REV		REV		REV		REV	
NO	DD	NO	DD	NO	DD	NO	DD	NO	DD
AA	00								
D1 REVISED PER ECO-11-005149								03MAY11	RK JMR



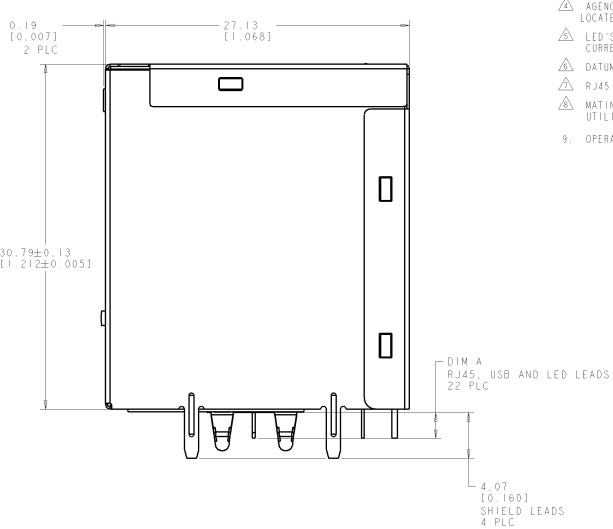
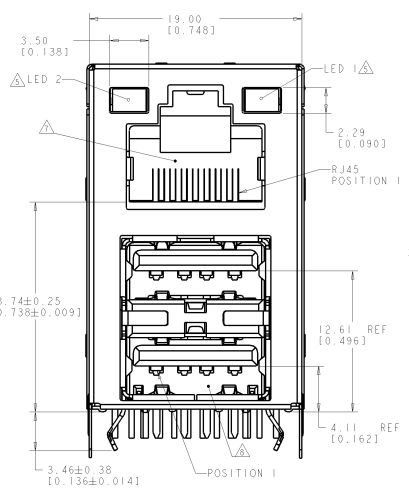
SCALE 5:1

- USB MATERIALS:**
 SHELL - BRASS PLATED WITH TIN 2.54µm MIN
 HOUSING - BLACK, THERMOPLASTIC, GLASS FILLED, UL 94V-0 RATED
 CONTACT - PHOSPHOR BRONZE WITH SELECTIVE GOLD PLATING

RJ45 MATERIALS:
 PLASTIC HOUSING - BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
 SHIELD - BRASS, PLATED WITH 0.76 µm MIN SEMI-BRIGHT NICKEL,
 SELECTED TIN 3.05µm MIN ON SOLDER TAILS ONLY
 CONTACTS - PHOSPHOR BRONZE
 PLATING - 1.27 µm MIN NICKEL UNDER PLATE WITH SELECT 1.27 µm MIN GOLD AT MATING
 AT MATING SELECT INTERFACE AND 3.05 µm MIN TIN ON CONTACT TAILS

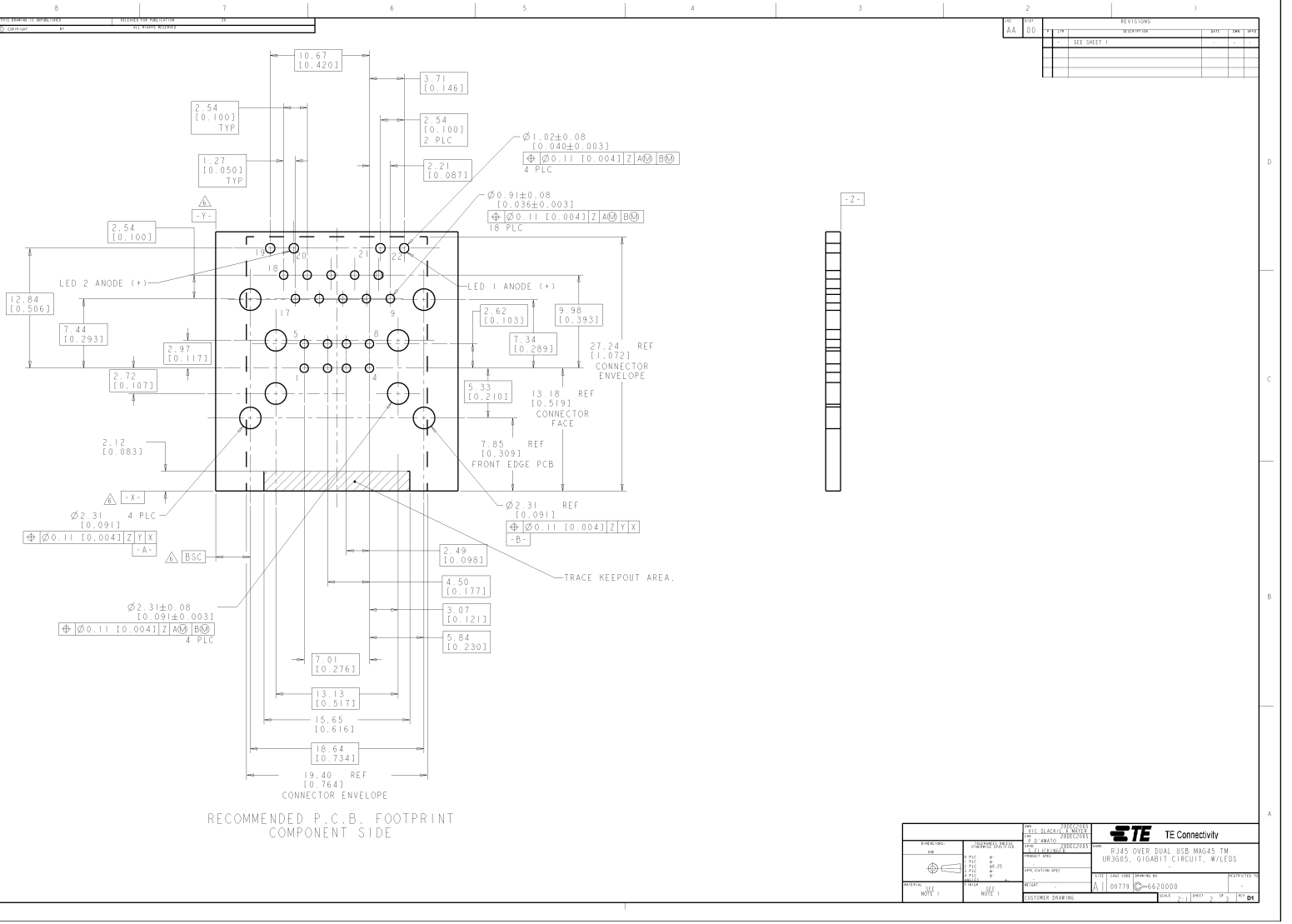
 LED - DIFFUSED EPOXY LENS, 0.5 x 0.5 CARBON STEEL WIREFRAME LEADS PRE-PLATED
 WITH 2.03 µm MIN SILVER OVER 1.02 µm MIN NICKEL UNDERPLATE OVER
 1.02 µm MIN COPPER UNDERPLATE - POST-PLATED WITH 2.54 µm MIN MATTE TIN
 AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP

MAGNETICS
 - APPLICATION: 10/100/1000 BASE-T
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP-CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350nH MIN @100kHz, 0.1VRMS,
 SWDVC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 12-20LOG(F/80)dB MIN FROM 40.1MHz TO 100MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20LOG(F/50)dB MIN FROM 40.1MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 - ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 40.6.1.1, ITEM b.



3.24	GREEN/YELLOW	GREEN/YELLOW	2-6620000-4
3.24	GREEN/ORANGE	GREEN/ORANGE	2-6620000-3
3.24	GREEN/ORANGE	YELLOW	2-6620000-2
3.24	GREEN	YELLOW	2-6620000-1
2.84	GREEN/YELLOW	GREEN/YELLOW	1-6620000-4
2.84	GREEN/ORANGE	GREEN/ORANGE	1-6620000-3
2.84	GREEN/ORANGE	YELLOW	1-6620000-2
2.84	GREEN	YELLOW	1-6620000-1
2.29	GREEN/YELLOW	GREEN/YELLOW	6620000-4
2.29	GREEN/ORANGE	GREEN/ORANGE	6620000-3
2.29	GREEN/ORANGE	YELLOW	6620000-2
2.29	GREEN	YELLOW	6620000-1
DIM A	LED 2	LED 1	PART NUMBER

TE CONNECTIVITY		TE CONNECTIVITY	
DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
6620000-4	1	6620000-4	1
6620000-3	1	6620000-3	1
6620000-2	1	6620000-2	1
6620000-1	1	6620000-1	1
TE Connectivity RJ45 OVER DUAL USB MAG45™ UR3605, GIGABIT CIRCUIT, W/LEDs			
DATE	REV	DATE	REV
08/11/11	01	08/11/11	01

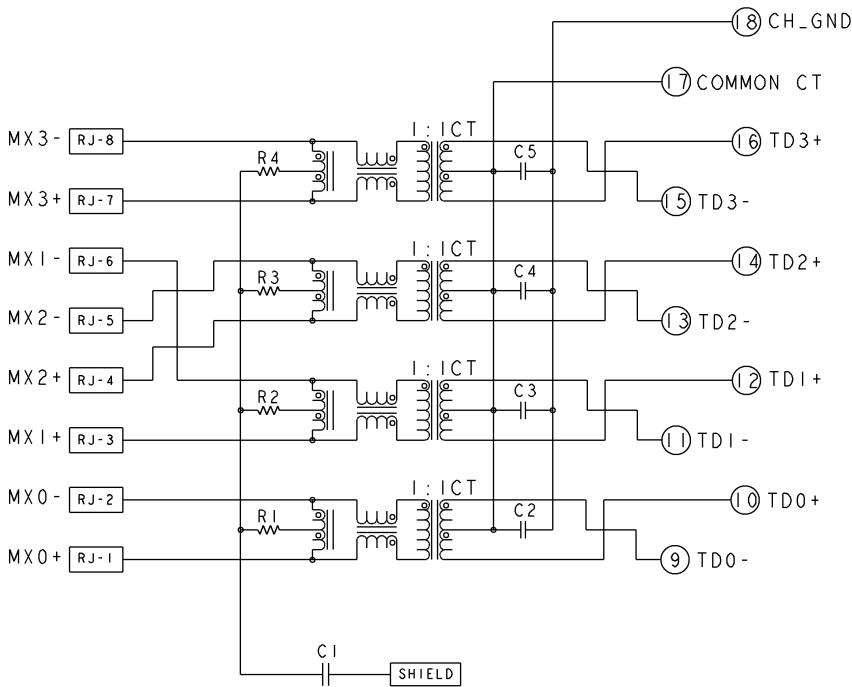


REVISONS			
NO.	DATE	DESCRIPTION	BY
1	00	SEE SHEET 1	

RECOMMENDED P.C.B. FOOTPRINT COMPONENT SIDE

APPROVED: DATE: BY:		BY: TE Connectivity DATE: BY:	
PART: QUANTITY: UNIT: PRICE: TOTAL:	PART: QUANTITY: UNIT: PRICE: TOTAL:	PART: QUANTITY: UNIT: PRICE: TOTAL:	PART: QUANTITY: UNIT: PRICE: TOTAL:

Circuit UR3G05 Schematic



R1 - R4 = 75 Ohms, 1/16W, 5% RESISTORS
 C1 = 1000pF, 2kV DECOUPLING CAPACITOR
 C2 - C5 = 1000pF, 10X, 50V, X7R CAPACITORS

REV	DATE	REVISIONS	BY	CHK	APP
AA	00				
		SEE SHEET 1			

GREEN: $\lambda = 565\text{nm}$ YELLOW: $\lambda = 585\text{nm}$



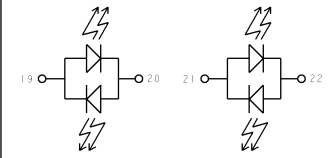
LED 2 **LED 1**
 6620000-1, 1-6620000-1 and 2-6620000-1

ORANGE: $\lambda = 610\text{nm}$ YELLOW: $\lambda = 585\text{nm}$



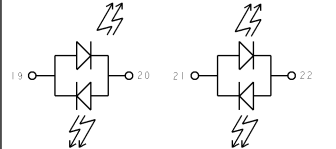
LED 2 **LED 1**
 6620000-2, 1-6620000-2 and 2-6620000-2

ORANGE: $\lambda = 610\text{nm}$ ORANGE: $\lambda = 610\text{nm}$



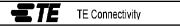
LED 2 **LED 1**
 6620000-3, 1-6620000-3 and 2-6620000-3

YELLOW: $\lambda = 585\text{nm}$ YELLOW: $\lambda = 585\text{nm}$



LED 2 **LED 1**
 6620000-4, 1-6620000-4 and 2-6620000-4

SPECIFICATIONS 1. PFC #1 2. PFC #2 3. PFC #3 4. PFC #4		MFG. PART NUMBER 2882C0001		MFG. PART NUMBER 2882C0001	
PART NUMBER UR3G05		PART NUMBER UR3G05		PART NUMBER UR3G05	
DATE 08/11/08		DATE 08/11/08		DATE 08/11/08	
DRAWN BY [Name]		CHECKED BY [Name]		APPROVED BY [Name]	



TE CONNECTIVITY
 RJ45 OVER DIAL USB M645 TM
 UR3G05, GIGABIT CIRCUIT, W/LEDS

REV: 000778 QTY: 6620000