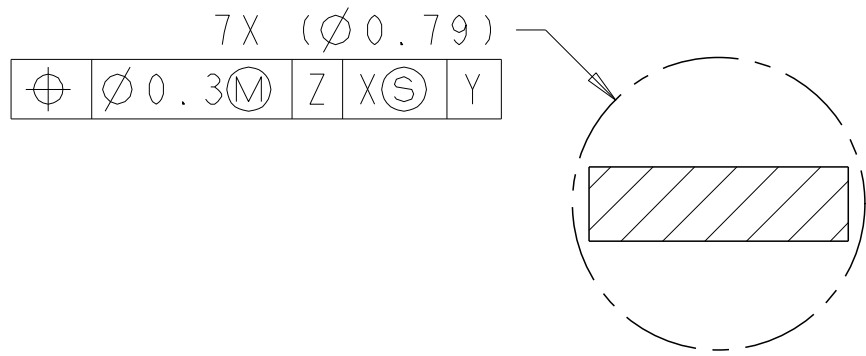


LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN APVD
AG	00	B		ECO-11-025114	08DEC2011	PP KZ

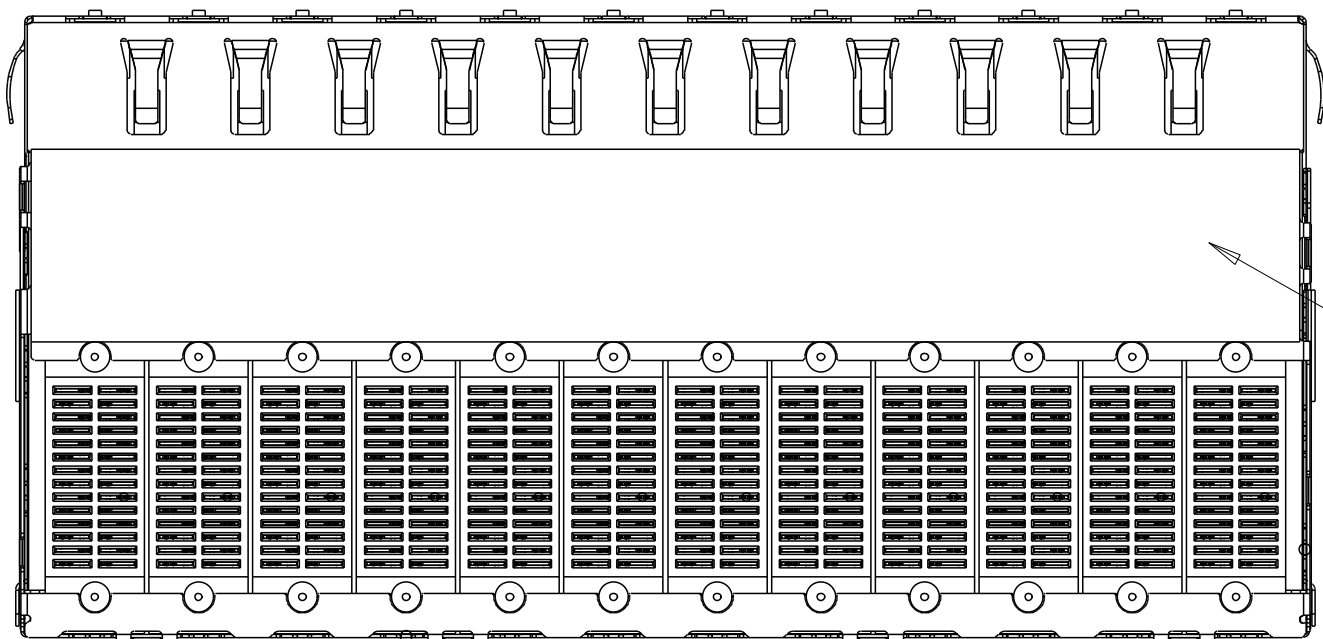
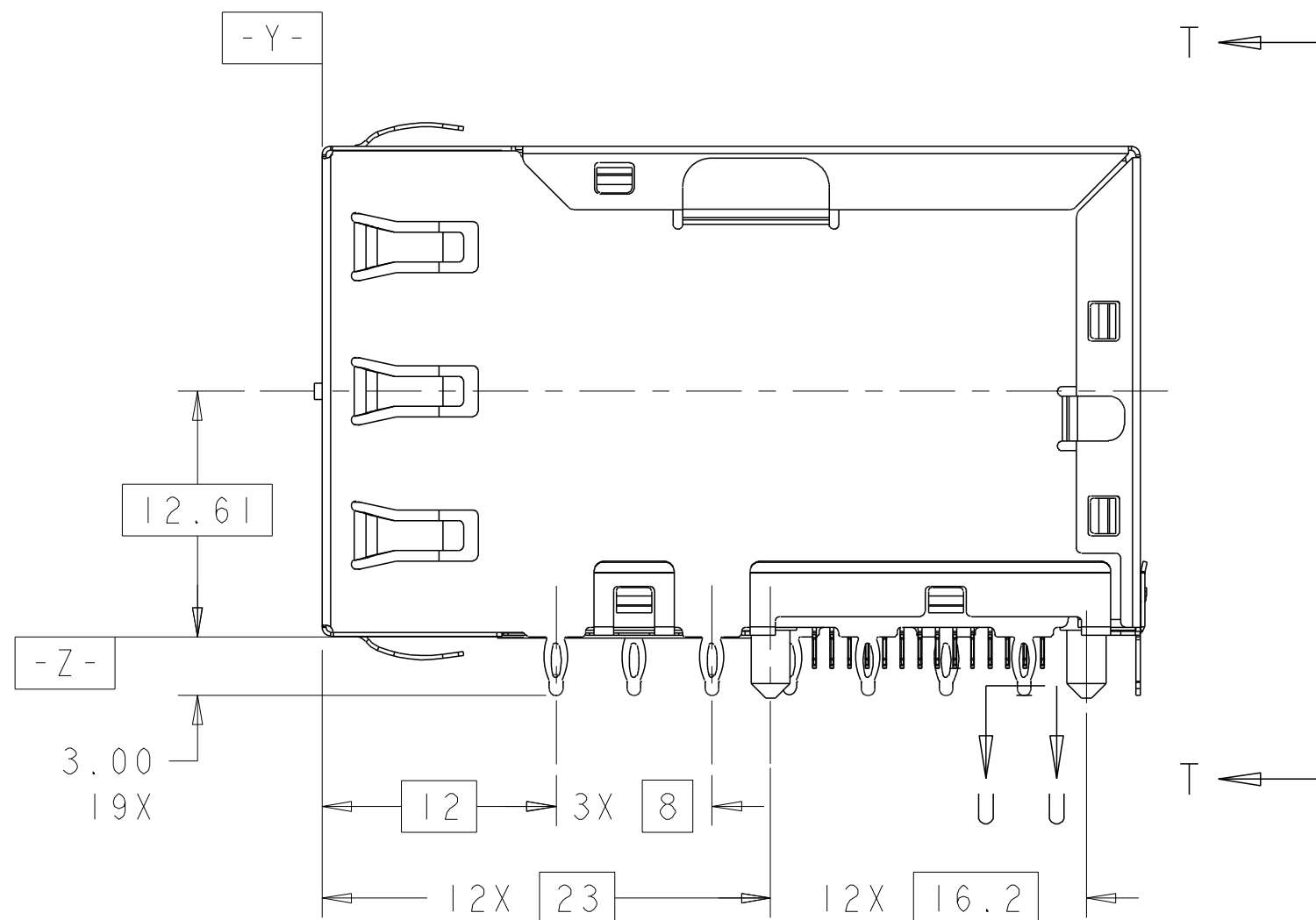
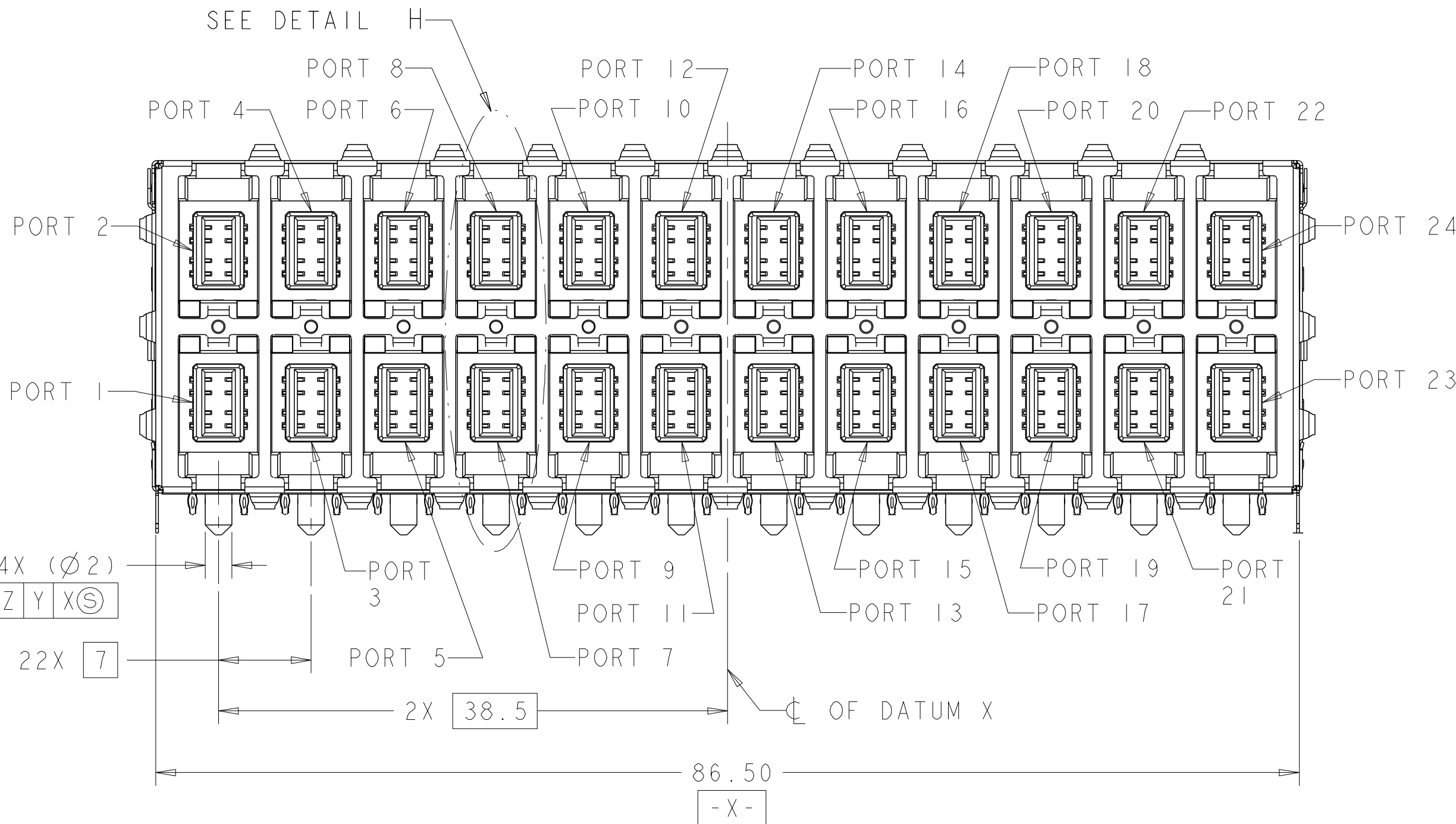
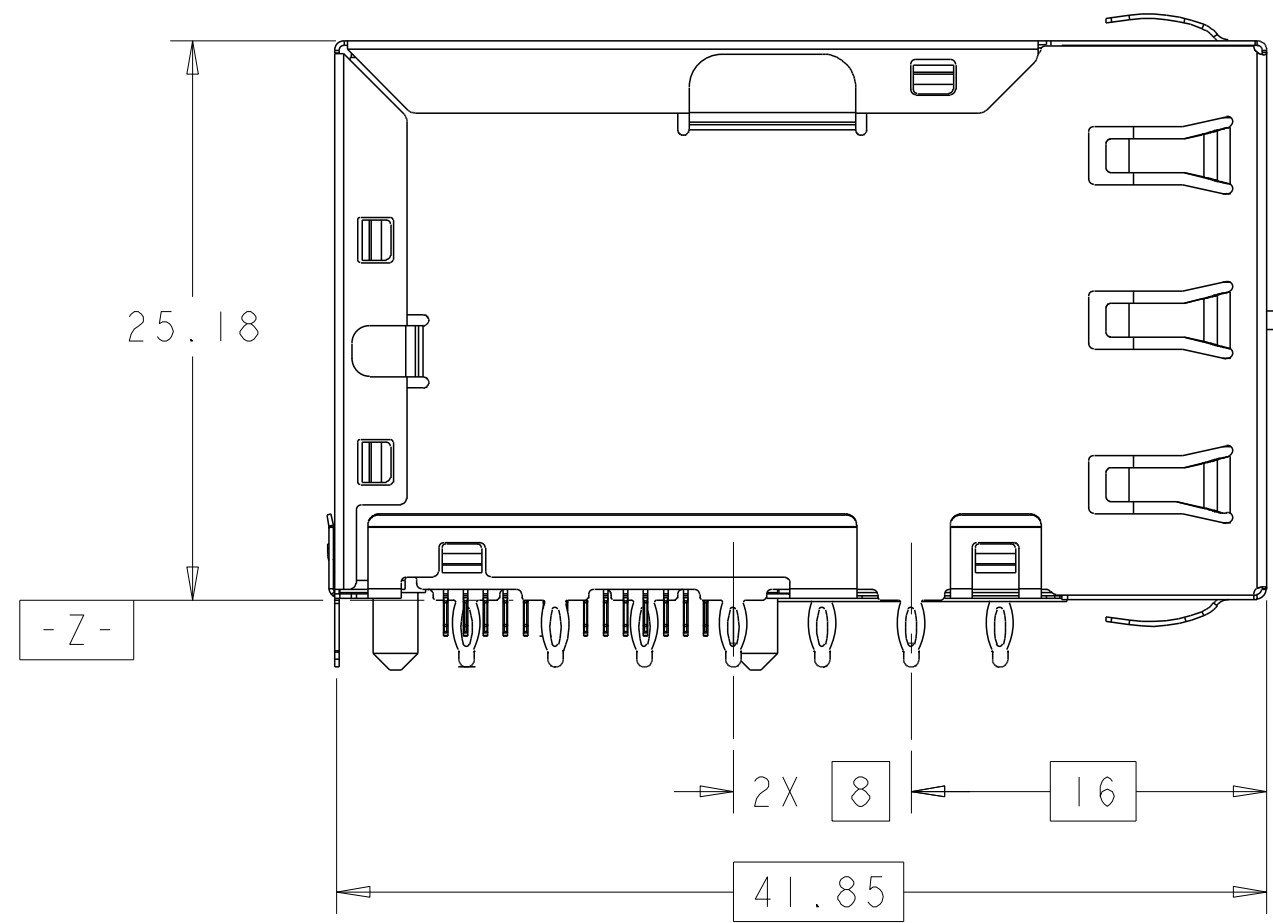
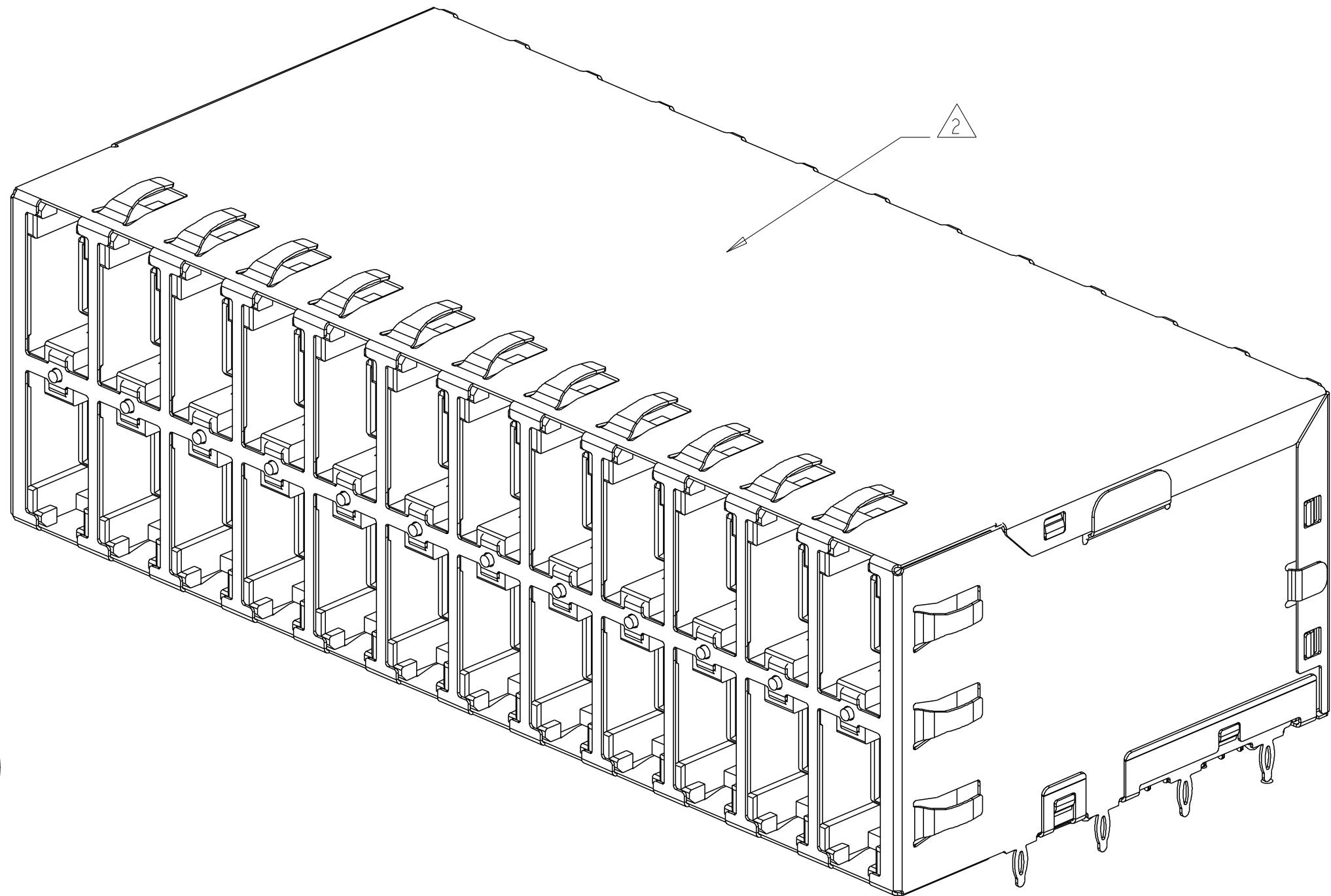
1. MATERIAL:
HOUSING: BLACK, THERMOPLASTIC, RATED UL 94V-0.
SHIELD: COPPER ALLOY WITH NICKEL PLATING.
CONTACTS: PHOSPHER BRONZE.
CONTACT PLATING: 0.05µm MIN GOLD OVER
0.76µm MIN PALLADIUM-NICKEL, AT MATING
INTERFACE CONTACT AREA.
2. TE LOGO, PART NUMBER, DATE CODE AND
COUNTRY OF ORIGIN, SHOWN APPROXIMATE AREA.
3. MAGNETICS:
- APPLICATION: 10/100/1000 BASE -T
- IMPEDANCE: 100 OHMS
- TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL): 350µH (MIN)
@100KHZ, 0.1 VRMS WITH 8mA DC BIAS
FOR EACH TRANSFORMER OVER T=0°C-+70°C.
- TURNS RATIO (CHIP:CABLE): 1:1 ALL PAIRS
PERFORMANCE:
- ALL PAIRS ARE BI-DIRECTIONAL
4. LED IS DRIVEN WITH CURRENT AT APPROX 20 mA
DOMINANT WAVELENGTH (λD): GREEN 573 nm TYP AT IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.0V TYP at IF=20mA
DOMINANT WAVELENGTH (λD): RED 624 nm TYP AT IF=20mA
FORWARD VOLTAGE (VF): RED 2.0V TYP at IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 589 nm TYP AT IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.0V TYP at IF=20mA
5. RECOMMENDED MIN PCB THICKNESS 1.5mm (.062").
6. OPERATING TEMPERATURE: FROM 0°C TO 70°C.
- △ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- △ FOR HOLE SIZE AND PLATINGS, SEE SHEET 5.

FREQUENCY	*INSERTION LOSS	RETURN LOSS	CROSSTALK ATTENUATION	COMMON MODE REJECTION RATIO
0.5MHz-1MHz	1.2dB (MAX)	18dB (MIN)	70dB (MIN)	30dB (MIN)
1MHz-40MHz	1.2dB (MAX)	18dB (MIN)	33-20X LOG (F/80)dB (MIN)	30dB (MIN)
40MHz-100MHz	1.2dB (MAX)	12-20X LOG (F/80)dB (MIN)	33-20X LOG (F/80)dB (MIN)	30dB (MIN)
ALL MAGNETIC ELECTRICAL CHARACTERISTICS RATED AT T=25°C				

- ISOLATION VOLTAGE: 2250VDC(MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC,
WITH ALL PORTS CONNECTED.



SECTION U-U
SCALE 50:1

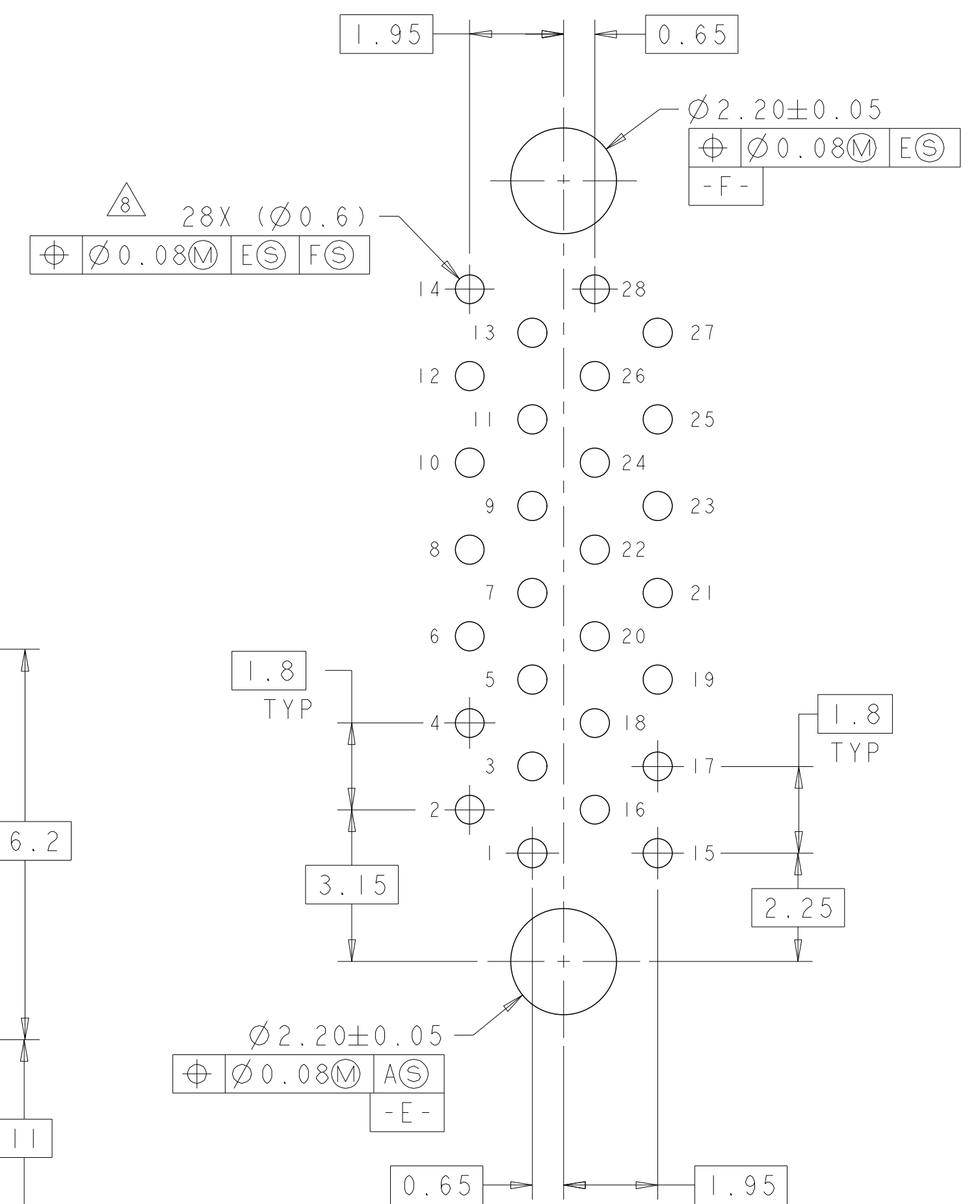


BOTTOM
INSULATION TAPE

BOTTOM VIEW

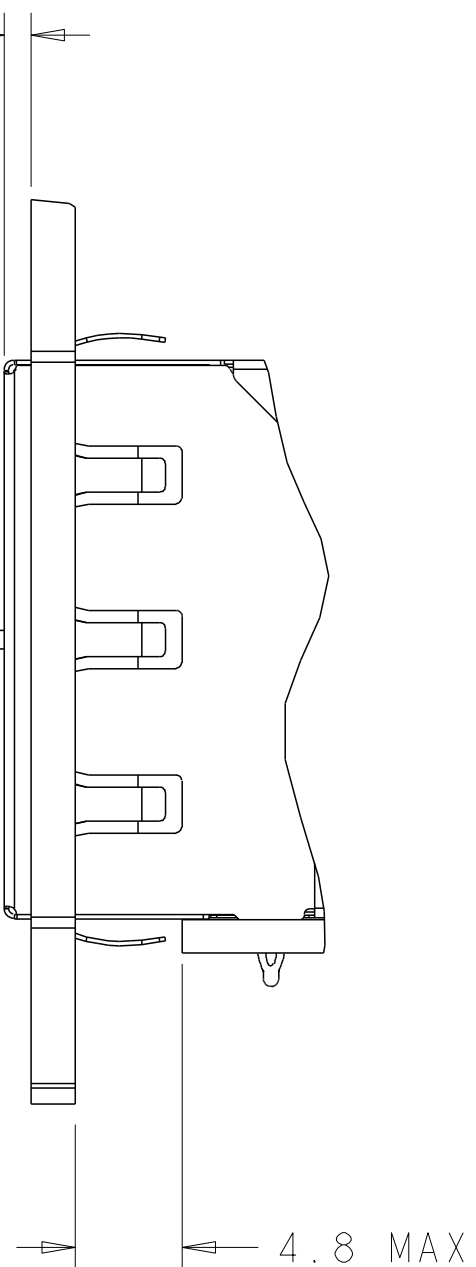
WITH	YELLOW/GREEN BI-COLOR	1-2057004-2
WITHOUT	YELLOW/GREEN BI-COLOR	2057004-2
WITHOUT	RED/GREEN BI-COLOR	2057004-1
BOTTOM INSULATION TAPE	LED COLORS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. SHIRK 20FEB2008	TE Connectivity	
DIMENSIONS:		CHE B. HENRY 20FEB2008		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD B. HENRY 20FEB2008	NAME	
	0 PLC ±	PRODUCT SPEC	RECEPTACLE ASSEMBLY, 2X12, RJ POINT FIVE, NON PoE WITH MAGNETICS	
	1 PLC ±0.25	APPLICATION SPEC	SIZE CAGE CODE DRAWING NO	
	2 PLC ±	WEIGHT	A100779C=2057004	
	3 PLC ±	CUSTOMER DRAWING	RESTRICTED TO	
	4 PLC ±		SCALE 3:1 SHEET 1 OF 5 REV B	
	ANGLES			
	FINISH			



DETAIL G
BOARD PIN IDENTIFIERS
SCALE 10:1

4805 (3/11)



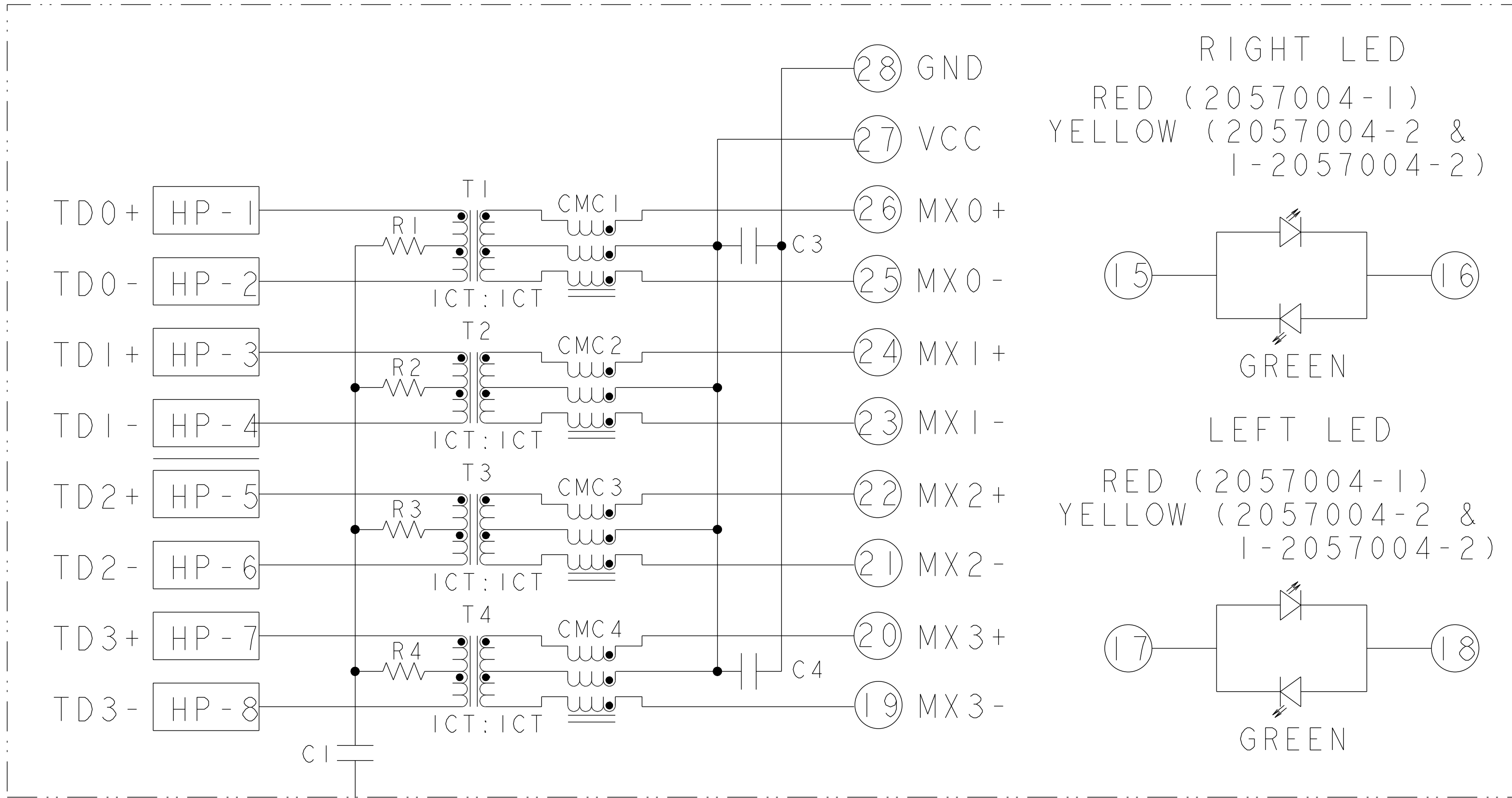
12X ($\varnothing 0.79$)

$\varnothing 0.3$ M Z Y X S

SECTION V-
SCALE 50:

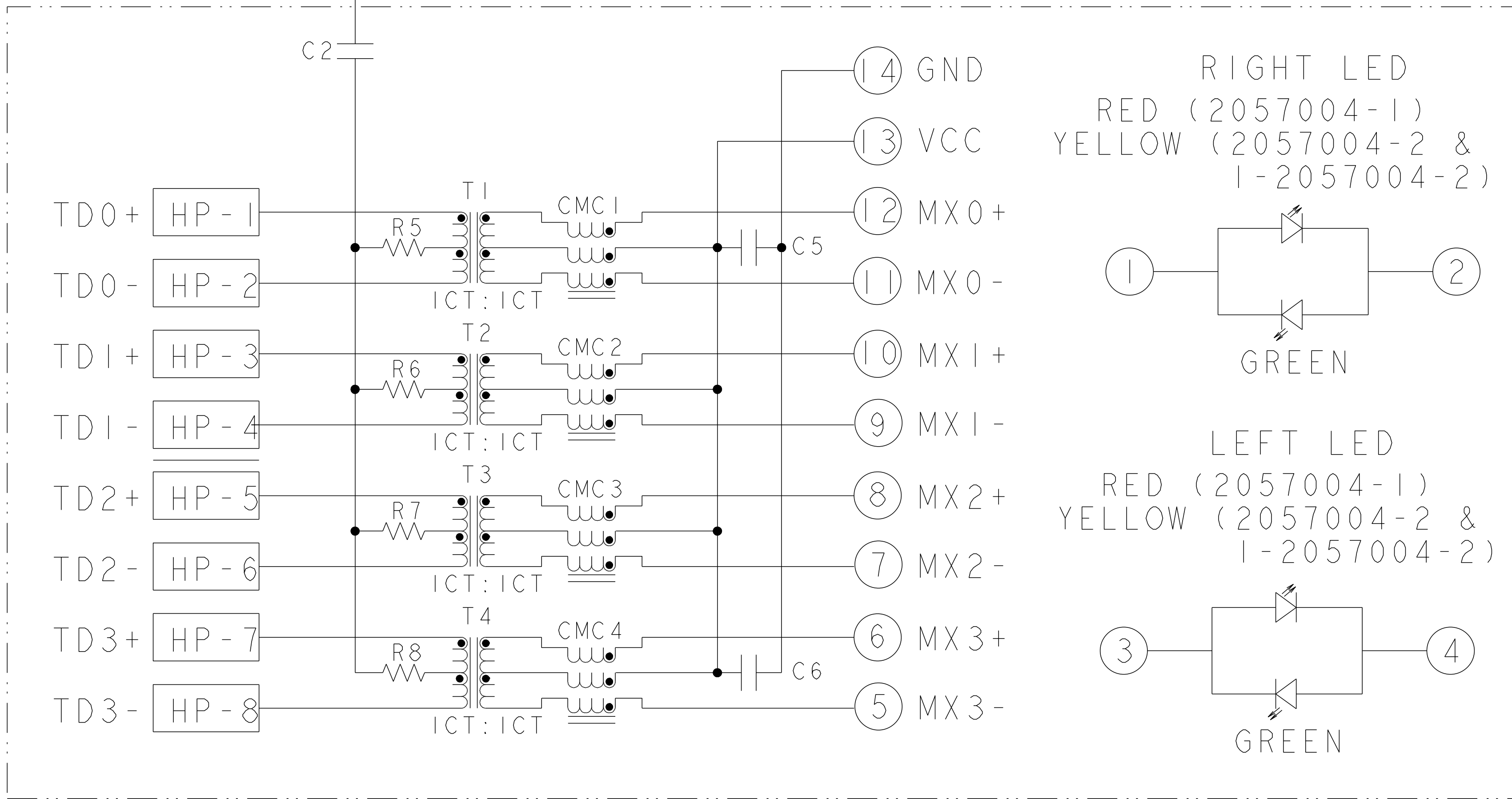
4805 (3/11)

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
AG	00	-	-	SEE SHEET 1	-	-



TOP PORT

S5G73
GIGABIT CIRCUIT

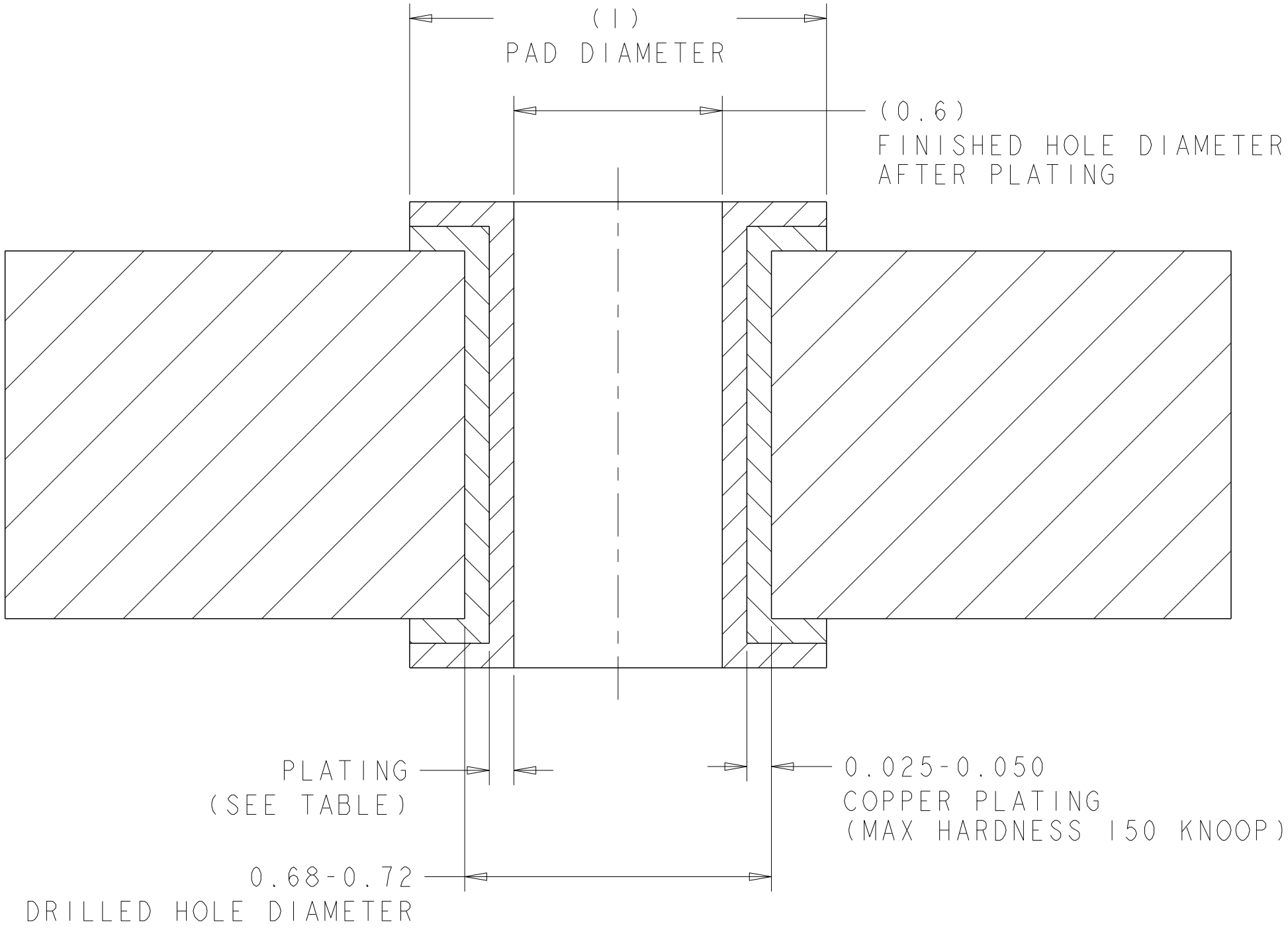


BOTTOM
PORT

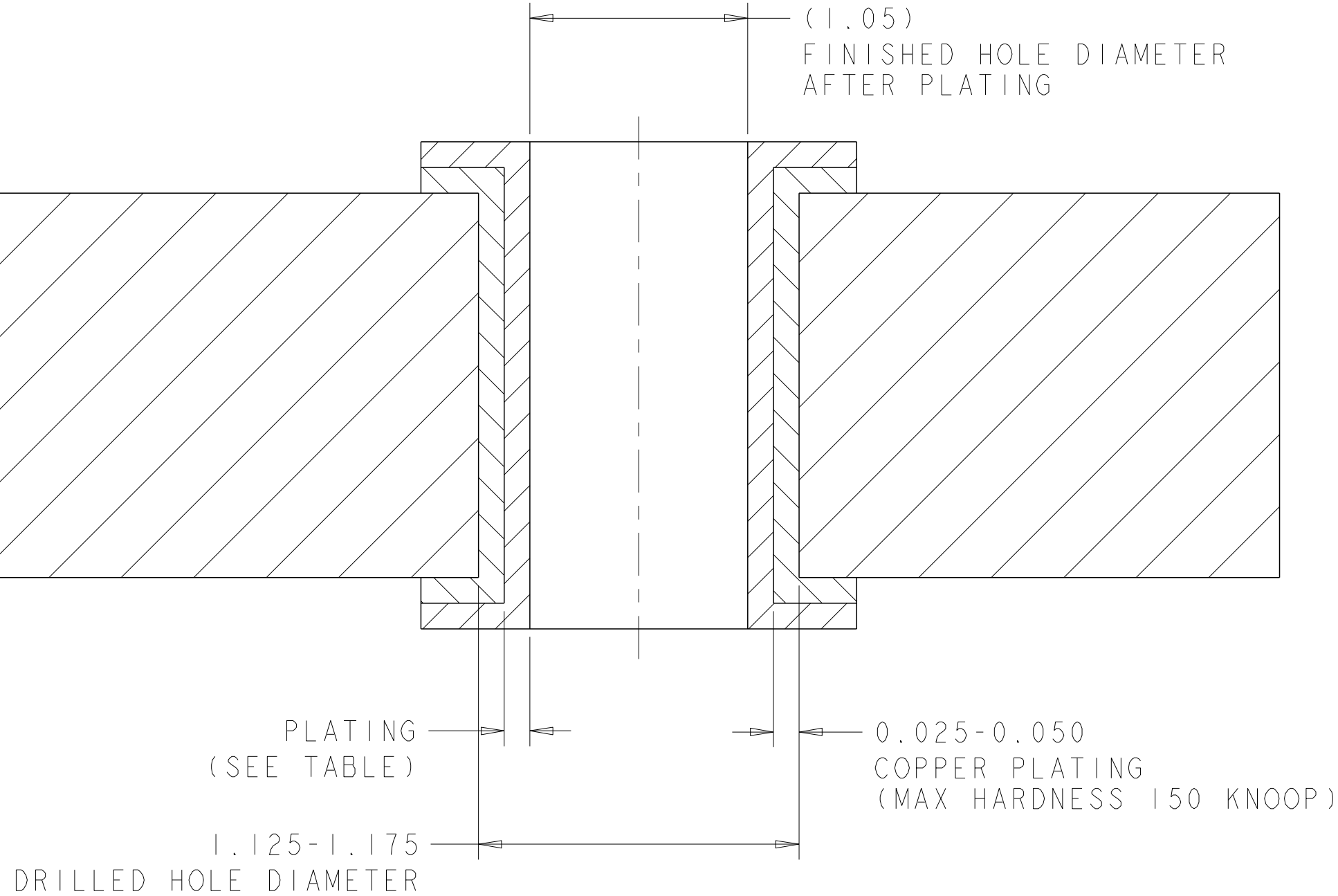
C1-C2 = 1000 pF, 2kV DE-COUPLING CAPACITORS
C3-C6 = 0.01uF, 50V, CAPACITORS
R1-R8 = 75 Ohm, 1/16W, RESISTORS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. SHIRK	20FEB2008	TE Connectivity	
		CWN B. HENRY	20FEB2008		
		APVD B. HENRY	20FEB2008	NAME RECEPTACLE ASSEMBLY, 2X12, RJ POINT FIVE, NON PoE WITH MAGNETICS	
		PRODUCT SPEC		SIZE A1	
		APPLICATION SPEC		CAGE CODE 00779	
		WEIGHT		DRAWING NO 2057004	
		CUSTOMER DRAWING		RESTRICTED TO -	
				SCALE 3:1	
				SHEET 4	
				OF 5	
				REV B	

LOC	DIST	REVISIONS				
AG	00	P	LTR	DESCRIPTION	DATE	DWN
		-		SEE SHEET 1	-	-



RECOMMENDED HOLE DIMENSIONS
FOR SIGNAL CONTACTS



RECOMMENDED HOLE DIMENSIONS
FOR SHIELD PINS

THICKNESS	PLATING
0.004-0.010	HOT AIR SOLDER LEVELING (HASL) TIN-LEAD (Sn Pb)
0.0005-0.001	IMMERSION TIN (Sn)
0.0002-0.0005	ORGANIC SOLDERABILITY PRESERVATIVE (OSP)
0.0001-0.0005 Au, 0.004-0.0076 Ni	IMMERSION GOLD (Au) OVER NICKEL (Ni) (ENIG)
0.010-0.025	TIN LEAD PLATING (Sn Pb)
0.0001-0.00015	IMMERSION SILVER (Ag)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
M. SHIRK
20FEB2008

CWN
B. HENRY
20FEB2008

APVD
B. HENRY
20FEB2008

TE Connectivity

RECEPTACLE ASSEMBLY,
2X12, RJ POINT FIVE,
NON PoE WITH MAGNETICS

SIZE
A1

CAGE CODE
00779

DRAWING NO.
2057004

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
3:1

SHEET
5

OF
5

REV
B