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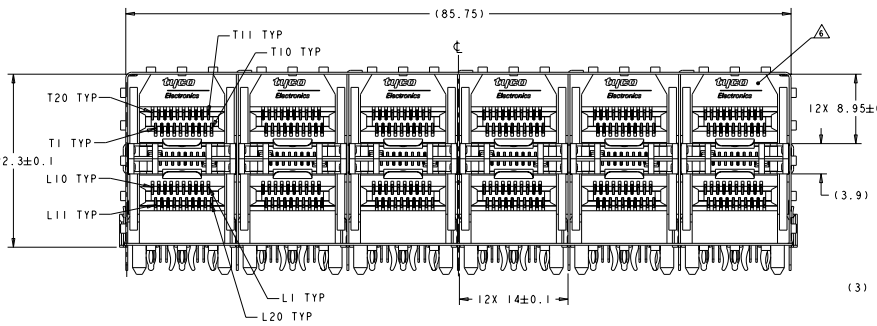
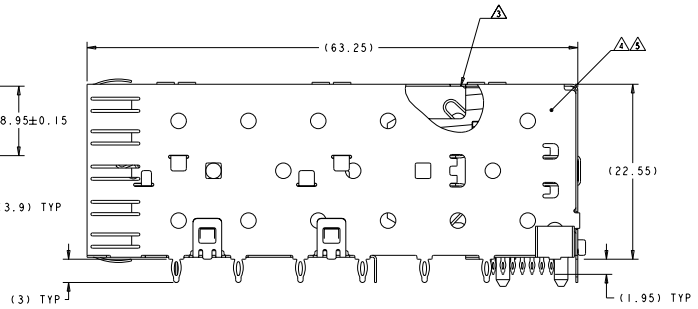
1. DATUM AND BASIC DIMENSION TO BE DETERMINED BY CUSTOMER
2. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OF ASME Y14.5M-1994
3. TOP OF PT CONNECTOR TO BE 0-0.15 FROM INSIDE SURFACE OF CAGE
4. COPPER ALLOY
5. 1.25µm MIN TIN PER ASTM B 545 OVER NICKEL FLASH PER QQ-N-290, NON-PLATED EDGES PERMISSIBLE.
6. LCP, HIGH TEMPERATURE, UL 94V-O RATED, BLACK
7. POLYESTER, UL 94V-O RATED, BLACK
8. CONTACT MATING AREA: SURFACE TREATMENT OVER 0.76 µm MIN GOLD PER ASTM B 488 OVER 1.27µm MIN NICKEL PER QQ-N-290.
NEEDLE EYE: 1.25µm MIN TIN PER ASTM B 545 OVER 1.27µm MIN NICKEL PER QQ-N-290.
REMAINDER OF CONTACT: 0.76µm MIN NICKEL PER QQ-N-290.

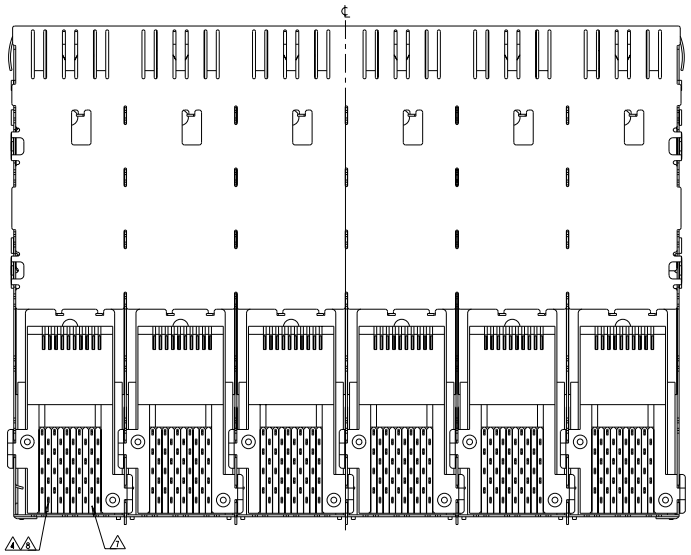
LOC ES | DIST 00

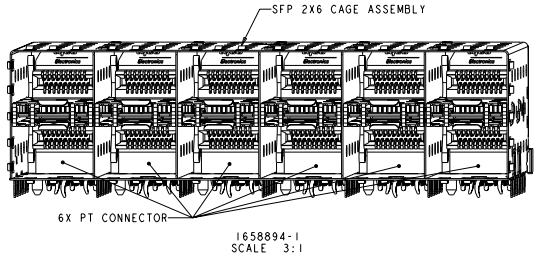
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER ECR-07-018402	24DEC2007	SL	SY
	B1	REVISED ECR-08-013764	02JAN08	AZ	SY
	C	ECR-08-028454	11NOV2008	AL	SY
	C1	ECR-09-006516	31MAR2009	AL	SY









1658894-1
SCALE 3:1

1658894-1
PART NUMBER

DRN	R.E. CONNER	18-Feb-09	Tyco Electronics, Shanghai, China
CHK	R.D. HENRY	18-Feb-09	
APVD	R.D. HENRY	18-Feb-09	
PRODUCT SPEC	108-2161		2X6 CONNECTOR ASSEMBLY LOW PROFILE, PRESS FIT,STACKED SFP
APPLICATION SPEC	114-13103		
WEIGHT	-		SIZE A1 · CAGE CODE 00779 · DRAWING NO C-1658894 · RESTRICTED TO -
CUSTOMER DRAWING			SCALE 4:1 · SHEET 1 OF 3 · REV C1

DIMENSIONS: MM · TOLERANCES UNLESS OTHERWISE SPECIFIED: X PLC ±; X PLC ±0.1; X PLC ±; X PLC ±; ANGLES ±; MATERIAL: ; FINISH: ;

AMP 4805 REV 31MAR2000
Pro/ENGINEER DRAWING

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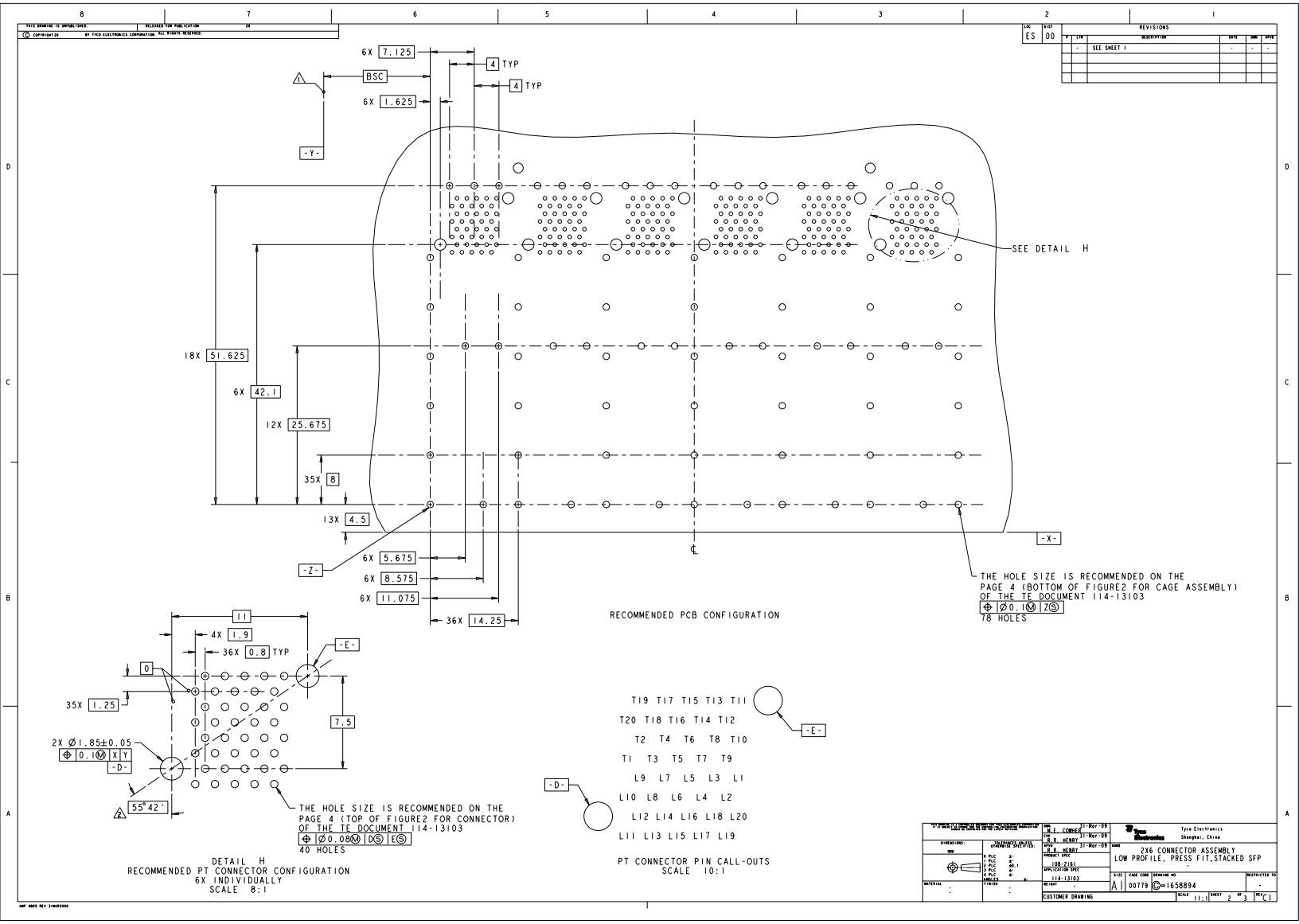

DETAIL H
RECOMMENDED PT CONNECTOR CONFIGURATION
6X INDIVIDUALLY
SCALE 8:1

PT CONNECTOR PIN CALL-OUTS
SCALE 10:1

REVISIONS

LTR	DESCRIPTION	DATE	DWN	APVD
-	SEE SHEET 1			

Tyco Electronics
Shanghai, China

2X6 CONNECTOR ASSEMBLY
LOW PROFILE, PRESS FIT, STACKED SFP

108-2161
114-13103

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-1658894

CUSTOMER DRAWING

SCALE 1:1 | SHEET 2 OF 3 | REV C1

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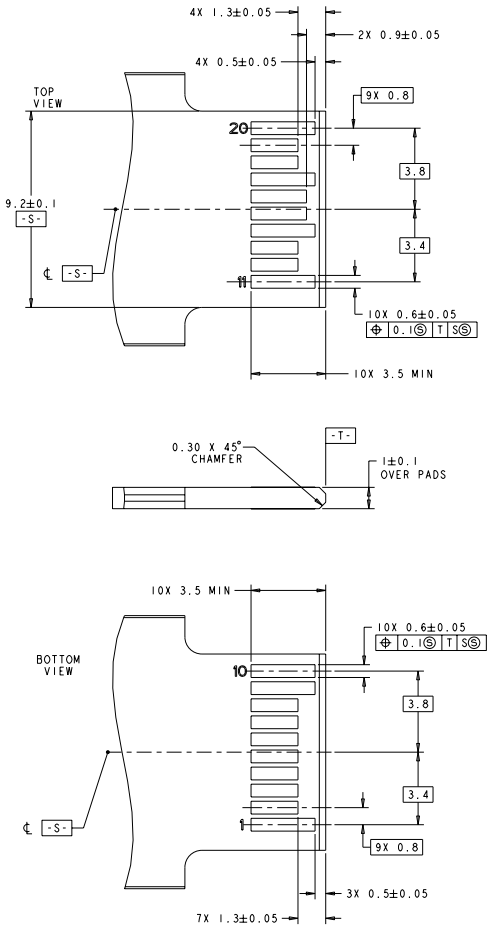
LOC	DIST
ES	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



RECOMMENDED LAYOUT FOR MATING TRANSCEIVER PCB
SCALE 1:1

DRN	18-Feb-09	Tyco Electronics Shanghai, China	
M.E. CONNER			
CHK	18-Feb-09		
R.B. HENRY			
APVD	18-Feb-09	NAME	
R.B. HENRY		2X6 CONNECTOR ASSEMBLY LOW PROFILE, PRESS FIT,STACKED SFP	
PRODUCT SPEC		-	
108-2161			
APPLICATION SPEC			
114-13103		SIZE A1	CAGE CODE 00779
WEIGHT	-	DRAWING NO C-1658894	RESTRICTED TO -
CUSTOMER DRAWING		SCALE 1:1	SHEET 3 OF 3
			REV C1

DIMENSIONS: MM
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-
MATERIAL -
FINISH -

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