

AMPHENOL PART NUMBER CONFIGURATION

U90 - A 1 X 1 - 1 X 0 X

HEAT SINK OPTION

- 0 = NO HEAT SINK OR CLIP SHIPPED, CLOSE TOP
1 = NO HEAT SINK OR CLIP SHIPPED, OPEN TOP
2 = STANDARD HEAT SINK (HARD COAT ANODIZED) AND CLIP (H=6.5mm; SAN HEIGHT)
3 = STANDARD HEAT SINK (HARD COAT ANODIZED) AND CLIP (H=4.2mm; PCI HEIGHT)
4 = STANDARD HEAT SINK (HARD COAT ANODIZED) AND CLIP (H=13.5mm; TALL)
A = STANDARD HEAT SINK (NICKEL PLATED) AND CLIP (H=6.5mm; SAN HEIGHT)
B = STANDARD HEAT SINK (NICKEL PLATED) AND CLIP (H=4.2mm; PCI HEIGHT)
C = STANDARD HEAT SINK (NICKEL PLATED) AND CLIP (H=13.5mm; TALL)

NOTE: FOR PIN STYLE HEAT SINKS REFER TO DRAWING NUMBER: P-U90-H1X1-1XXX

PACKAGING

- 1 = TRAY PACKAGING W/ HEAT SINK IN SEPARATE TRAY
A = TRAY PACKAGING W/ HEAT SINK ASSEMBLED
T = TAPE AND REEL PACKAGING W/ HEAT SINK IN SEPARATE TRAY

OPTIONAL DUST COVER

- 0 = WITHOUT DUST COVER
D = WITH DUST COVER (SHIPPED LOOSE PIECE)

REVISIONS

REV.	ECN	DESCRIPTION	DATE	APPROVED
F		NOTE ADDED "FOR PIN STYLE REFER TO U90-H1X1-1XXX"	JAN 12/09	ZLJ
G		REAR STOP MODIFIED	SEP 18/09	ZLJ
H		ADD PIN LENGTH DIMENSION 2.50	APR 10/13	ZLJ
J		NEW PART NUMBER U90-A101-1001 ADDED	OCT 06/13	ZLJ

OPTIONAL HEAT SINK
P/N U90-1101-A0XX
(SHIPPED WITH CLIP)

OPTIONAL DUST COVER
P/N U79-111-9000-P
(SHIPPED LOOSE)

VIEW WITH STANDARD HEAT SINK AND CLIP ASSEMBLED
AND OPTIONAL DUST COVER (SHIPPED LOOSE)
(P/N U90-A121-1D0A)

VIEW WITHOUT HEAT SINK AND CLIP, CLOSE TOP
(P/N U90-A101-100X)

VIEW WITHOUT HEAT SINK AND CLIP, OPEN TOP
(P/N U90-A111-100X)

NOTES:

- CAGE AND EMI SPRINGS MATERIAL: COPPER ALLOY
HEAT SINK CLIP MATERIAL: STEEL ALLOY
HEAT SINK MATERIAL: ALUMINUM
CAGE PLATING: 3.81µm [100µ"] MIN. NICKEL.
- CAGE IS INTENDED TO BE COMPLIANT WITH THE QUAD SMALL FORM-FACTOR PLUGGABLE (QSFP) TRANSCEIVER SPECIFICATION REVISION 1.0.
- HEAT SINK, HEAT SINK CLIP AND DUST COVER ARE SHIPPED LOOSE PIECE.

PART NUMBER	DIM "J"	DIM "H"	HEAT SINK & CLIP OPTION
U90-A121-1X0X	15.03	6.50	IF HEAT SINK AND CLIP ARE SHIPPED LOOSE SEE DRAWING P-U90-1101-AXX0-BP
U90-A131-1X0X	12.73	4.20	
U90-A141-1X0X	22.03	13.50	
U90-A1A1-1X0X	15.03	6.50	
U90-A1B1-1X0X	12.73	4.20	
U90-A1C1-1X0X	22.03	13.50	

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ARE:

DECIMALS ANGLES
X.X ± 0.15 ± 0.5°
X.XX ± 0.10

MATERIAL AND FINISH
SEE NOTE 1

REF.

CODE IDENT. NO. 03554

APPROVALS

DRAWN M.LONG

DESIGNED M.LONG

CHECKED J.SI

QA APPD

IE APPD

DWG APPD A.GREEN

DATE

DEC04/06

DEC04/06

DEC04/06

Amphenol High Speed Interconnects
A Division of Amphenol Corp. www.amphenol-highspeed.com

TITLE

QSFP CAGE ASSEMBLY

SIZE A3

DWG. NO. P-U90-A1X1-1X0X

REV. J

SCALE

2:1

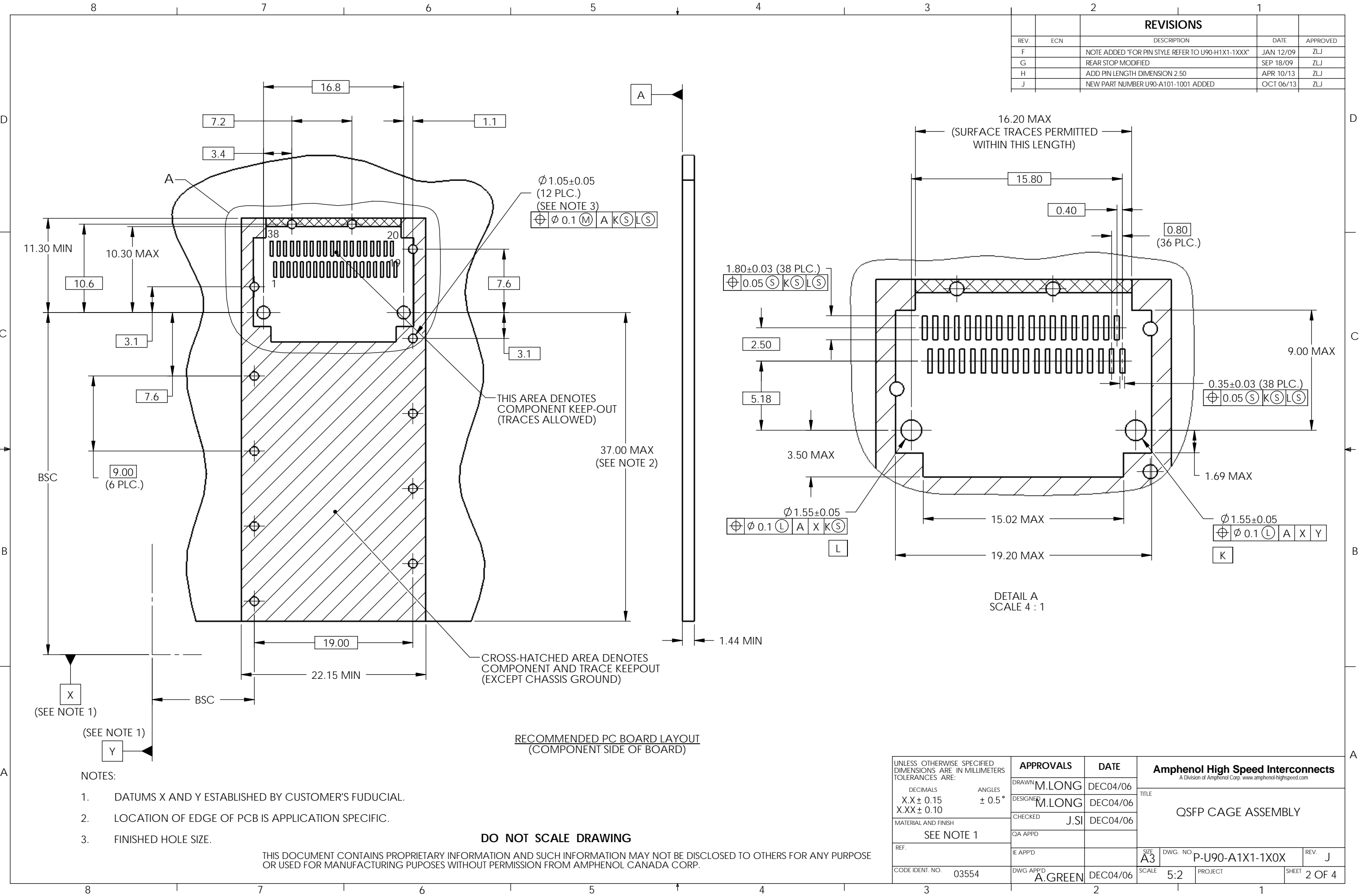
PROJECT

SHEET 1 OF 4

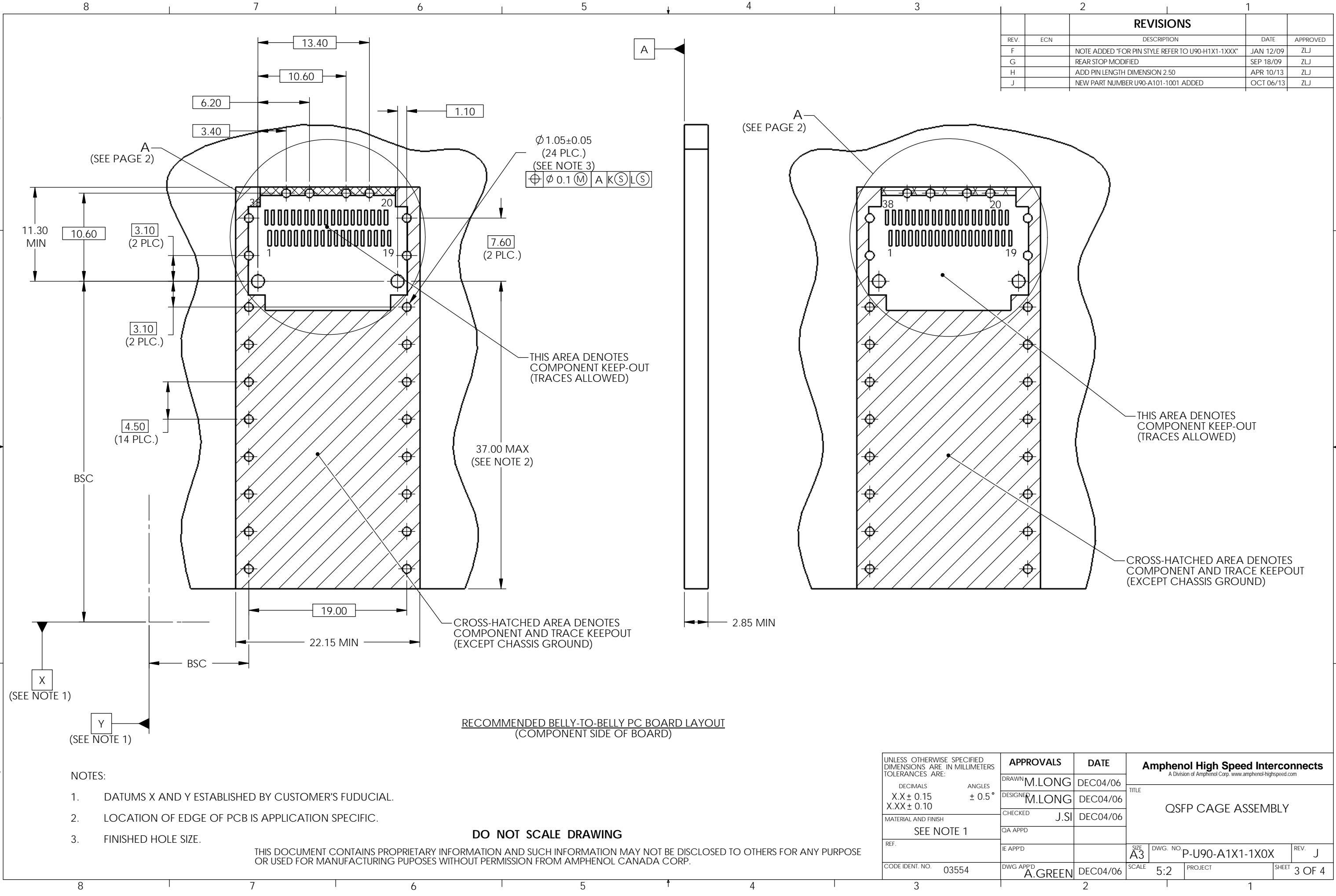


DO NOT SCALE DRAWING

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.15 ± 0.5 ° X.XX ± 0.10 MATERIAL AND FINISH SEE NOTE 1 REF.		APPROVALS		DATE		Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com				
		DRAWN M.LONG		DEC04/06		TITLE QSPF CAGE ASSEMBLY				
		DESIGNED M.LONG		DEC04/06						
		CHECKED J.SI		DEC04/06						
		QA APPD								
		IE APPD				SIZE A3	DWG. NO. P-U90-A1X1-1X0X			REV. J
CODE IDENT. NO. 03554		DWG APP'D A.GREEN		DEC04/06		SCALE 5:2	PROJECT			SHEET 2 OF 4



REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
F		NOTE ADDED "FOR PIN STYLE REFER TO U90-H1X1-1XXX"	JAN 12/09	ZLJ
G		REAR STOP MODIFIED	SEP 18/09	ZLJ
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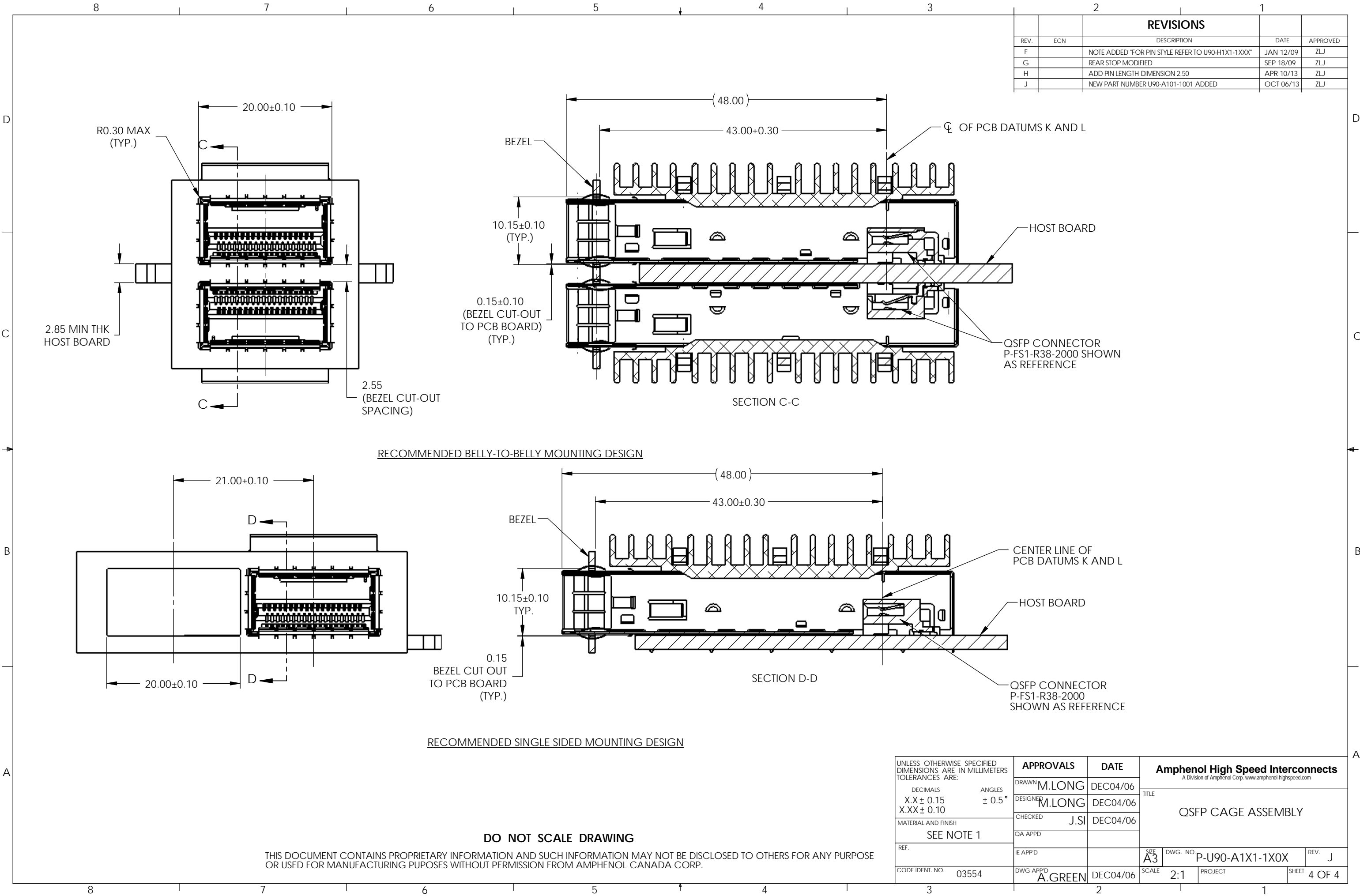
NOTES:

- DATUMS X AND Y ESTABLISHED BY CUSTOMER'S FUDUCIAL.
- LOCATION OF EDGE OF PCB IS APPLICATION SPECIFIC.
- FINISHED HOLE SIZE.

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		DRAWN M.LONG	DEC04/06		
		DESIGNED M.LONG	DEC04/06	TITLE QSPF CAGE ASSEMBLY	
		CHECKED J.SI	DEC04/06		
MATERIAL AND FINISH SEE NOTE 1		QA APPD			
REF.		IE APPD		SIZE A3	DWG. NO P-U90-A1X1-1X0X
CODE IDENT. NO. 03554		DWG APPD A.GREEN	DEC04/06	SCALE 5:2	PROJECT
				SHEET 3 OF 4	REV. J



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		CHECKED	J.SI	DEC04/06			
MATERIAL AND FINISH SEE NOTE 1		QA APPD					
REF.		IE APPD			SIZE A3	DWG. NO P-U90-A1X1-1X0X	REV. J
CODE IDENT. NO. 03554		DWG APPD A.GREEN		DEC04/06	SCALE 2:1	PROJECT	SHEET 4 OF 4

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[U90-A141-100A](#) [U90-A181-1001](#) [U90A1311D0A](#) [U90A1211001](#) [U90A101100T](#) [U90A131100A](#) [U90A1211D0A](#)
[U90A1C11D01](#) [U90A1B11D01](#) [U90A1B1100A](#) [U90R1S1100A](#) [U90S1S11D0A](#) [U90A1311D01](#) [U90A1211D01](#)
[U90A1111D01](#) [U90A111100T](#) [U90A1311001](#)