

AMPHENOL PART NUMBER CONFIGURATION
U90-B105-XXX1-XX0

CAGE & CONNECTOR CONTACT PLATING

4 = 0.76 µm MIN. GOLD OVER 1.27-3.81 µm OF NICKEL
ON MATING AREA
0.381-1.52 µm OF MATTE TIN OVER 1.27-3.81
µm OF NICKEL ON PRESS FIT TAIL AREA.
Ni PLATING FOR CAGE

VENT HOLES AND EMI COVER

0 = WITH LARGE HOLES & WITH EMI COVER
2 = WITH SMALL VENT HOLES & WITH EMI COVER
4 = WITH RECTANGULAR VENT HOLES & WITH EMI COVER

EMI GASKET

0 = NO GASKET, NO GASKET SUPPORT
1 = CHOMERICS 1273 CONDUCTIVE ELASTOMER; UL RATED 94-V0
2 = CHOMERICS S6305 CONDUCTIVE ELASTOMER

OPTIONAL LIGHT PIPES

6 = WITH LIGHT PIPE (TRIANGULAR OUTLET)
LEFT ARROW POINTING BOTTOM PORT &
RIGHT ARROW POINTING TOP PORT (UL RATED 94-V0)
7 = WITHOUT LIGHT PIPE
8 = WITH LIGHT PIPE (REVERSED DIRECTION)
LEFT ARROW POINTING TOP PORT &
RIGHT ARROW POINTING BOTTOM PORT (UL RATED 94-V0)

OPTIONAL DUST COVER

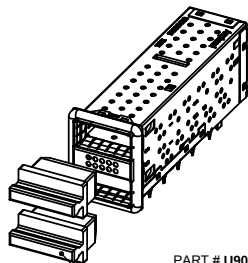
0 = WITHOUT DUST COVER
D = WITH DUST COVER

THIS IS A CAD DRAWING. DO NOT MANUALLY REVISE.

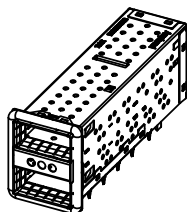
REFERENCE VIEW FOR OPTION 6 ONLY

REFERENCE VIEW FOR OPTION 8 ONLY

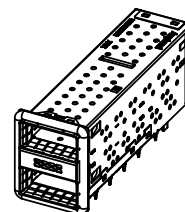
PART # U90-B105-4D71-X20 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITH DUST COVER AND WITHOUT LIGHT PIPE)



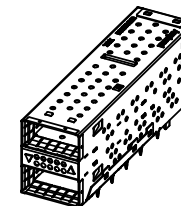
PART # U90-B105-4071-X00 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITHOUT LIGHT PIPE)



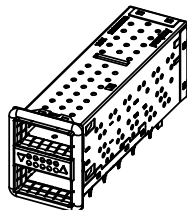
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(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITHOUT LIGHT PIPE)



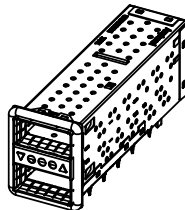
PART # U90-B105-4061-020 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE,
NO GASKET AND NO GASKET SUPPORT)



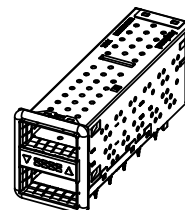
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(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



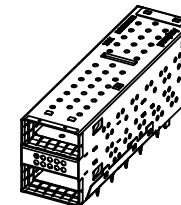
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(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



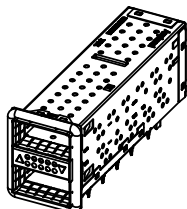
PART # U90-B105-4061-X40 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



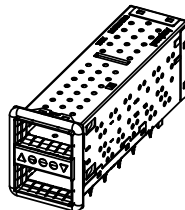
PART # U90-B105-4071-020 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE,
NO GASKET AND NO GASKET SUPPORT)



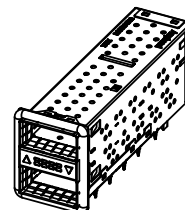
PART # U90-B105-4081-X20 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



PART # U90-B105-4081-X00 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



PART # U90-B105-4081-X40 SHOWN
(CAGE & CONNECTOR ASSEMBLY,
WITHOUT DUST COVER AND WITH LIGHT PIPE)



NOTES:

- MATERIAL
CAGE-PRESS FIT: COPPER ALLOY, NICKEL PLATED
CONNECTOR-PRESS FIT: PLASTIC HOUSING, FLAMMABILITY RATING UL94 V-0.
CONTACTS: PHOSPHOR BRONZE
PLATING OPTION: SEE AMPHENOL PART NO CONFIGURATION
EMI GASKET: CONDUCTIVE ELASTOMER; FOR FLAMMABILITY RATING SEE
AMPHENOL PART NUMBER CONFIGURATION
EMI FINGERS: PHOSPHOR BRONZE WITH NICKEL PLATING
LIGHT PIPE: GE LEXAN, OPTICAL GRADE; UL RATED 94-V0



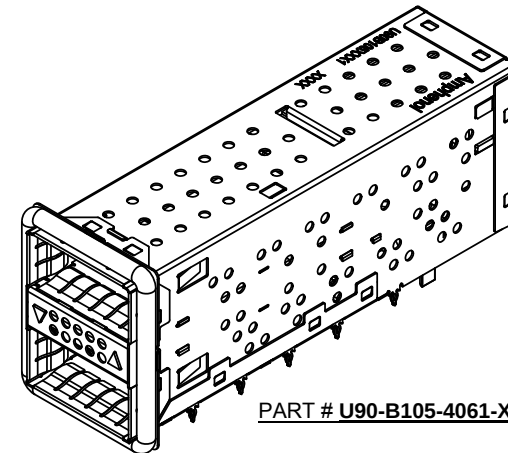
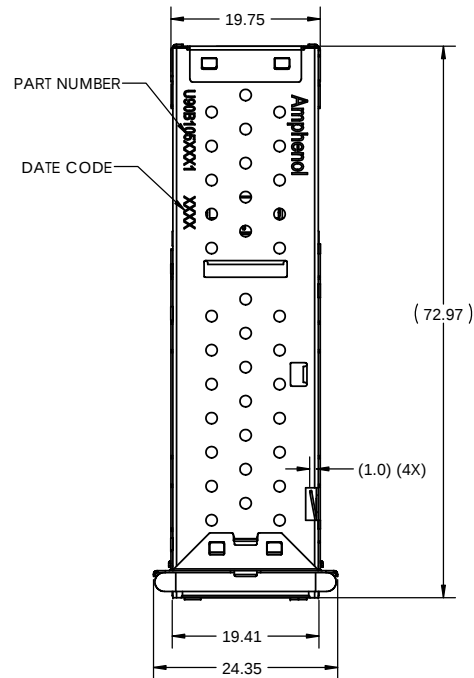
UNLESS SPECIFIED OTHERWISE		DRAWN	Hisen.X	NOV 18,10
PRIMARY UNITS	MILLIMETERS	CHECKED	S.M	NOV 19,10
SECONDARY	MILLIMETERS	M.E. APP'D		
REFERENCE IN PARENTHESES		Q.A. APP'D		
GENERAL TOLERANCES		DWG APPR.	A.G	NOV 20,10
1. DECIMAL PLACE	0.X ±0.25	ENG. REL. NO.		
2. DECIMAL PLACES	0.XX ±0.13	REF.		
3. ANGULAR DEGREES	X° ±1°	THIRD ANGLE PROJECTION		
4. ANGULAR DEGREES	X.X° ±0.5°	DO NOT SCALE DRAWING		

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

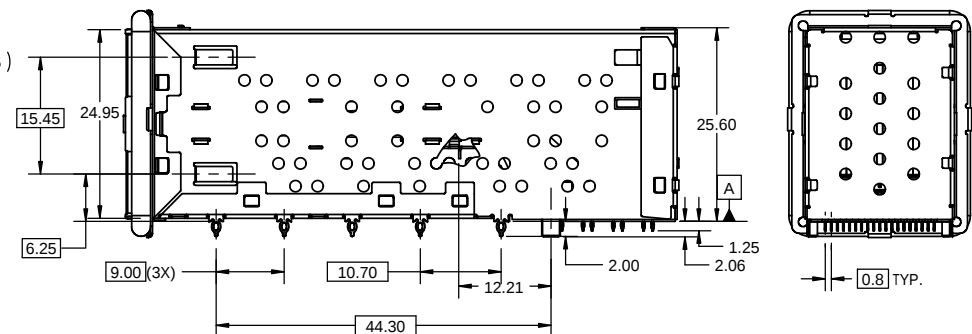
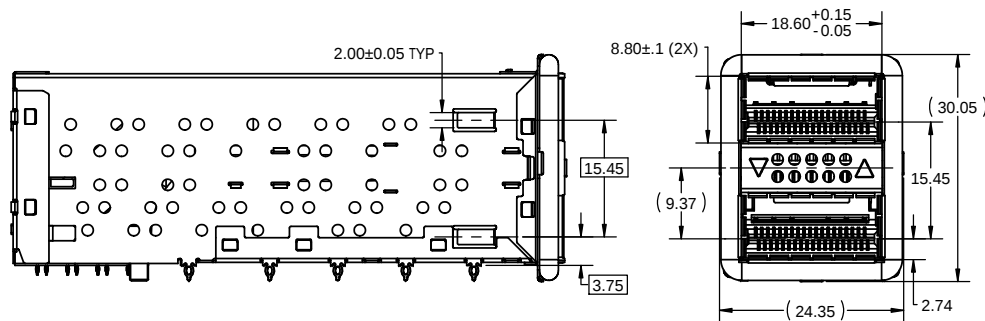
QSFP+ 2X1 STACKED
COMBO

DWG. NO.		REV
P-U90-B105-XXX1-XX0		R
CODE ID NO.	03554	DWG SIZE: C
SCALE: 4:1		SHEET 1 OF 4

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPD
R	SEE PAGE 1	OCT 24/14	KH



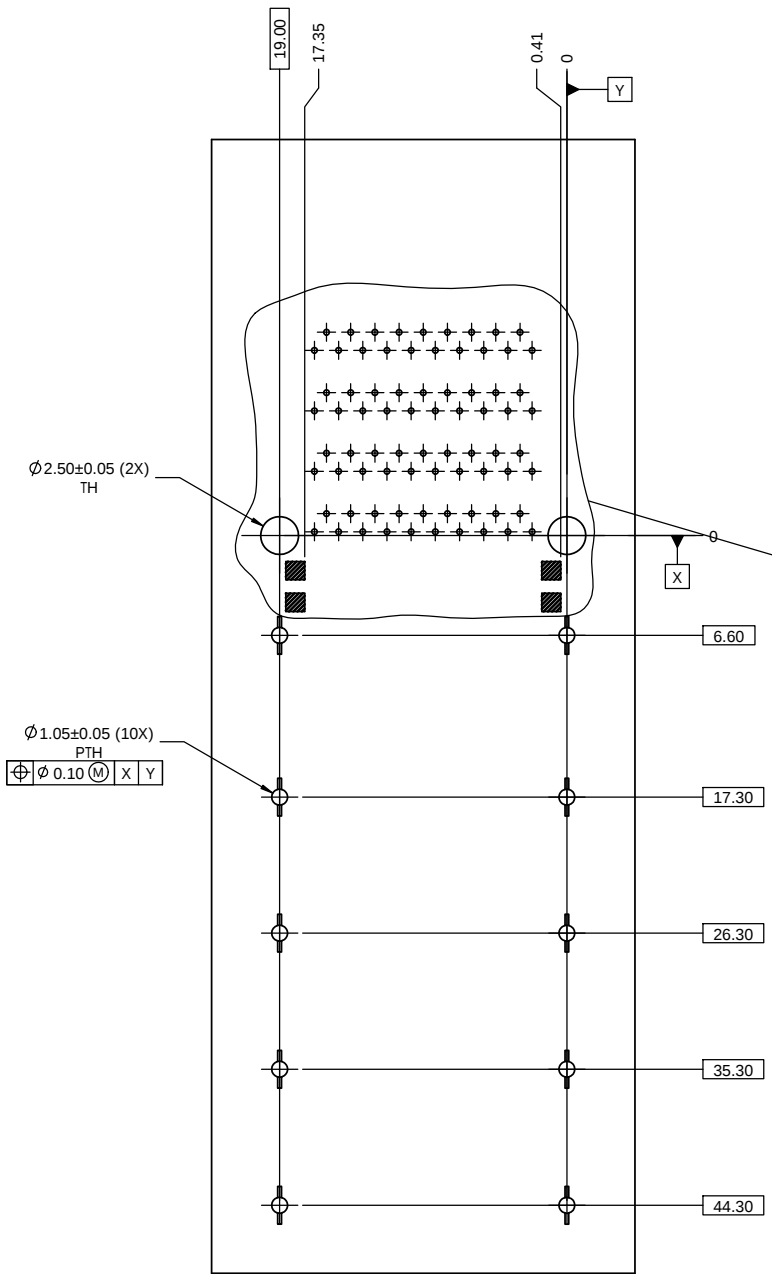
PART # U90-B105-4061-X20 SHOWN



UNLESS SPECIFIED OTHERWISE		DRAWN	Hisen.X	NOV 18,10	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com	
PRIMARY UNITS MILLIMETERS		CHECKED	S.M	NOV 19,10		
SECONDARY MILLIMETERS		M.E. APPD			QSFP+ 2X1 STACKED COMBO	
REFERENCE IN PARENTHESES		Q.A. APPD				
GENERAL TOLERANCES		DWG APPR.	A.G	NOV 20,10	P-U90-B105-XXX1-XX0	
1. DECIMAL PLACE 0.X±0.25		ENG. REL. NO.				
2. DECIMAL PLACES 0.XX±0.13		REF.			DWG. NO.	
3. ANGULAR DEGREES X°±1°		THIRD ANGLE PROJECTION				
4. ANGULAR DEGREES X.X°±0.5°		DO NOT SCALE DRAWING			CODE ID NO. 03554 DWG SIZE: C SCALE: 4:1 SHEET 2 OF 4	

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REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPD
R	SEE PAGE 1	OCT 24/14	KH



1.57 MIN

$\phi 0.37 \pm 0.05$ (76X) PTH
 $\phi 0.10$ (M) X Y

PIN 1 TOP PORT

PIN 1 BOTTOM PORT

CROSS HATCHED REPRESENTS LED SOLDER PAD SEATING AREA

0.80 TYP.
1.60 TYP.

DETAIL A
SCALE 8:1

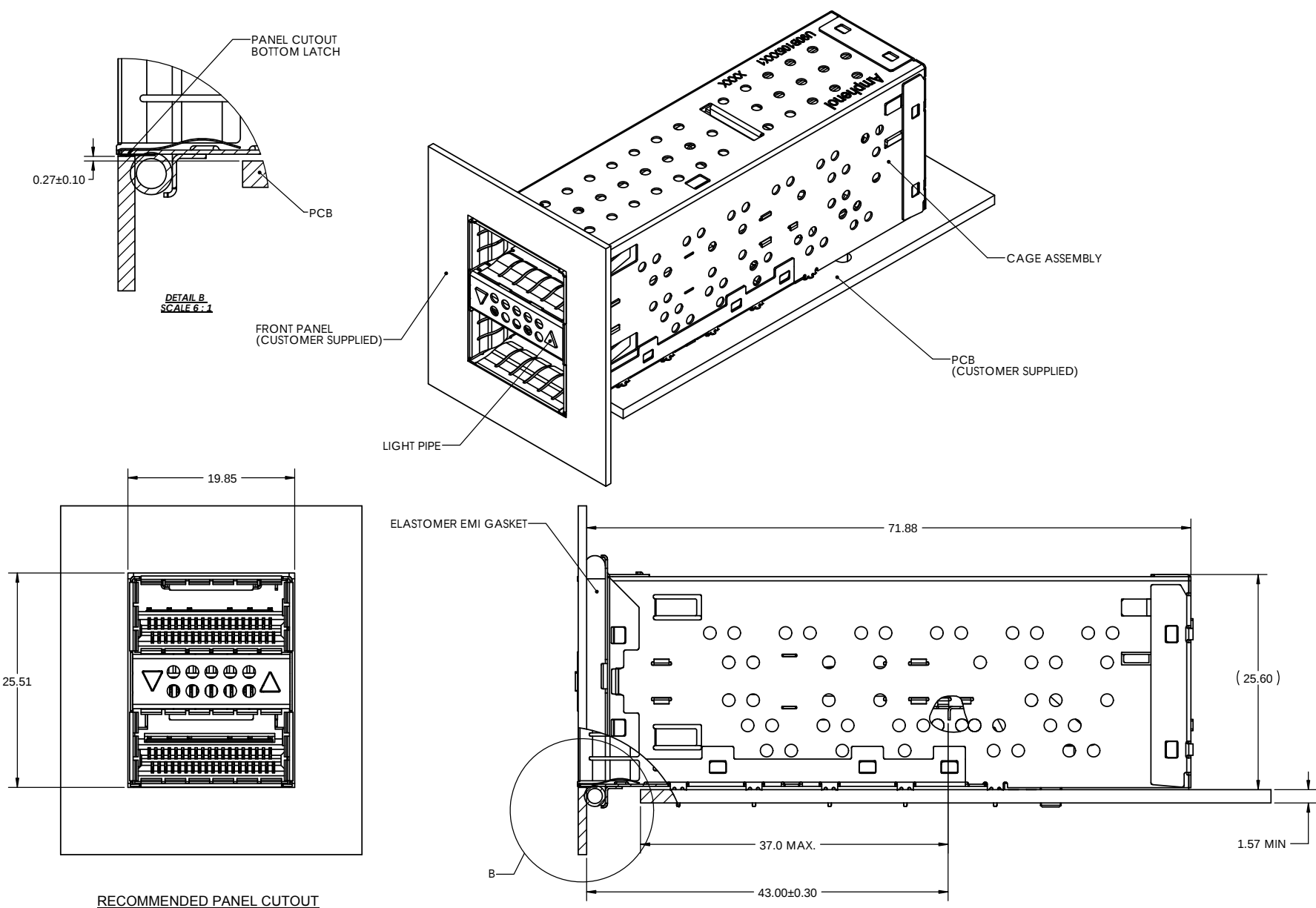
UNLESS SPECIFIED OTHERWISE		DRAWN	Hisen.X	NOV 18,10
PRIMARY UNITS	MILLIMETERS	CHECKED	S.M	NOV 19,10
SECONDARY	MILLIMETERS	M.E. APP'D		
REFERENCE IN PARENTHESES		Q.A. APP'D		
GENERAL TOLERANCES		DWG APPR.	A.G	NOV 20,10
1. DECIMAL PLACE	$0.X \pm 0.25$	ENG. REL. NO.		
2. DECIMAL PLACES	$0.XX \pm 0.13$	REF.		
3. ANGULAR DEGREES	$X^\circ \pm 1^\circ$	THIRD ANGLE PROJECTION		
4. ANGULAR DEGREES	$X.X^\circ \pm 0.5^\circ$	DO NOT SCALE DRAWING		

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QSFP+ 2X1 STACKED COMBO			
DWG. NO. P-U90-B105-XXX1-XX0			REV R
CODE ID NO. 03554	DWG SIZE: C	SCALE: 4:1	SHEET 3 OF 4

RECOMMENDED PCB BOARD LAYOUT
COMPONENT SIDE SHOWN

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REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPD
R	SEE PAGE 1	OCT 24/14	KH



RECOMMENDED PANEL CUTOUT

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UNLESS SPECIFIED OTHERWISE		DRAWN	Hisen.X	NOV 18,10	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com	
PRIMARY UNITS MILLIMETERS		CHECKED	S.M	NOV 19,10		
SECONDARY MILLIMETERS		M.E. APP'D			QSFP+ 2X1 STACKED COMBO	
REFERENCE IN PARENTHESES		Q.A. APP'D				
GENERAL TOLERANCES		DWG APPR.	A.G	NOV 20,10	P-U90-B105-XXX1-XX0	
1. DECIMAL PLACE 0.X±0.25		ENG. REL. NO.				
2. DECIMAL PLACES 0.XX±0.13		REF.			DWG. NO. P-U90-B105-XXX1-XX0	
3. ANGULAR DEGREES X°±1°		THIRD ANGLE PROJECTION				
4. ANGULAR DEGREES X.X°±0.5°		DO NOT SCALE DRAWING			CODE ID NO. 03554 DWG SIZE: C SCALE: 4:1 SHEET 4 OF 4	