

MATERIAL(RoHS COMPLIANT):

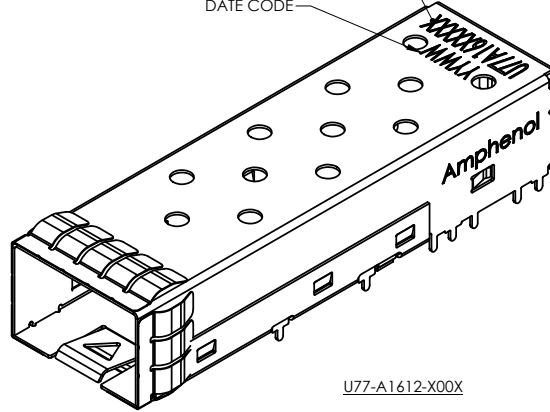
CAGE:  
COPPER ALLOY.

PLATING:  
OPTION 2: 100µ" [2.54 µm] MIN. ELECTROLESS SOLDERABLE NICKEL  
OPTION 3: 100µ" [2.54 µm] MIN. MATTE TIN PLATING OVER 50 µ"  
(1.27 µm) MIN. NICKEL UNDER PLATING. (MATTE TIN  
245°C MAX. IN 10 SECONDS OF PEAK TIME.)

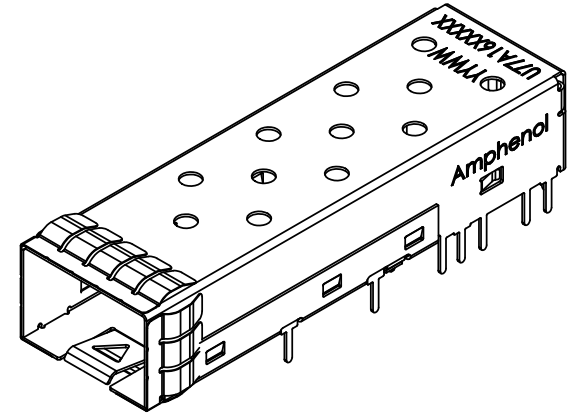
PACKAGING:  
TAPE AND REEL OR TRAY PACKAGING

TEMPERATURE RANGE:  
-40°C TO + 85°C

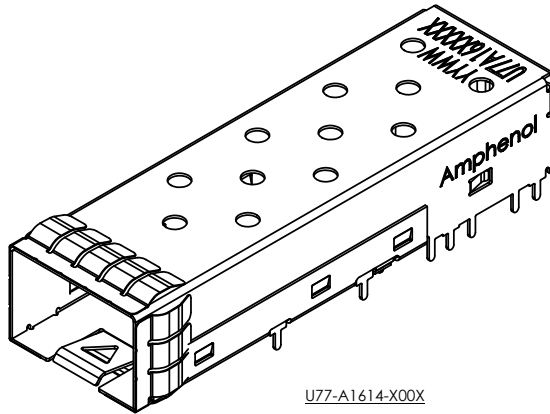
PART NUMBER  
(P/N DOES NOT INCLUDE  
PACKAGING OPTION)  
DATE CODE



U77-A1612-X00X



U77-A1613-X00X



U77-A1614-X00X



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REVISIONS

REV.	ECN/E-R	DESCRIPTION	DATE	APPROVED
B		UPDATE DESIGN FOR EMI SPRING FINGER	MAY 28,18	J.SI
C		ADD NICKEL PLATING OPTION	NOV 21,22	J.SI
D		UPDATE THE BEZEL AND PCB LAYOUT DIMENSIONS	DEC 13,22	J.SI

AMPHENOL PART NUMBER CONFIGURATION

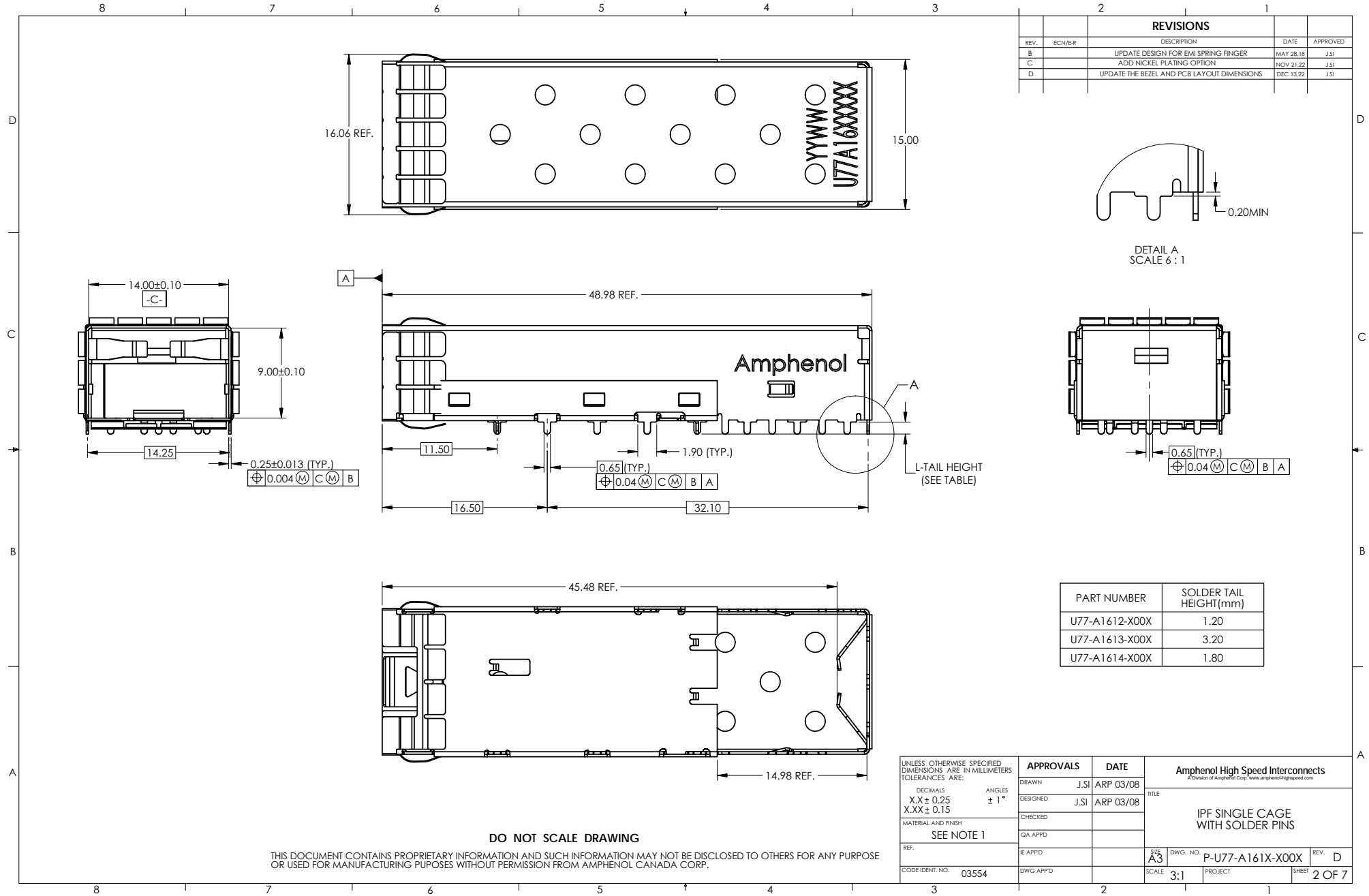
U77-A161X-X00X

SOLDER TAIL HEIGHT  
2 = 1.2mm (20 SOLDER PINS)  
3 = 3.2mm (20 SOLDER PINS)  
4 = 1.8mm (20 SOLDER PINS)

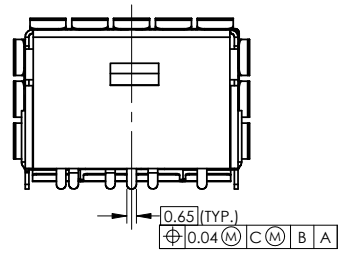
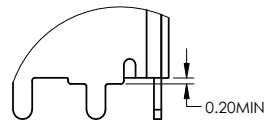
PLATING  
2 = ELECTROLESS SOLDERABLE PLATING  
3 = MATTE TIN PLATING

PACKAGING  
1 = TRAY PACKAGING  
(SEE PAGE 5 FOR DETAILS)  
T = TAPE & REEL PACKAGING  
(STANDAED CAGE ORIENTATION)  
(SEE PAGE 6 FOR DETAILS)  
R = TAPE & REEL PACKAGING  
(STANDAED CAGE ORIENTATION)  
(SEE PAGE 6 FOR DETAILS)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS	DATE	Amphenol High Speed Interconnects <small>A Division of Amphenol Corp. www.amphenolhighspeed.com</small>	
DRAWN	J.SI	ARP	03/08	TITLE <b>IPF SINGLE CAGE WITH SOLDER PINS</b>	
DESIGNED	J.SI	ARP	03/08		
CHECKED					
MATERIAL AND FINISH SEE NOTE 1		QA APPD		SIZE A3	DWG. NO. P-U77-A161X-X00X
REF.		E APPD		SCALE 3:1	PROJECT
CODE IDENT. NO.	03554	DWG APPD			SHEET 1 OF 7



REVISIONS				
REV.	EC/N/E-R	DESCRIPTION	DATE	APPROVED
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C		ADD NICKEL PLATING OPTION	NOV 21,22	J.SI
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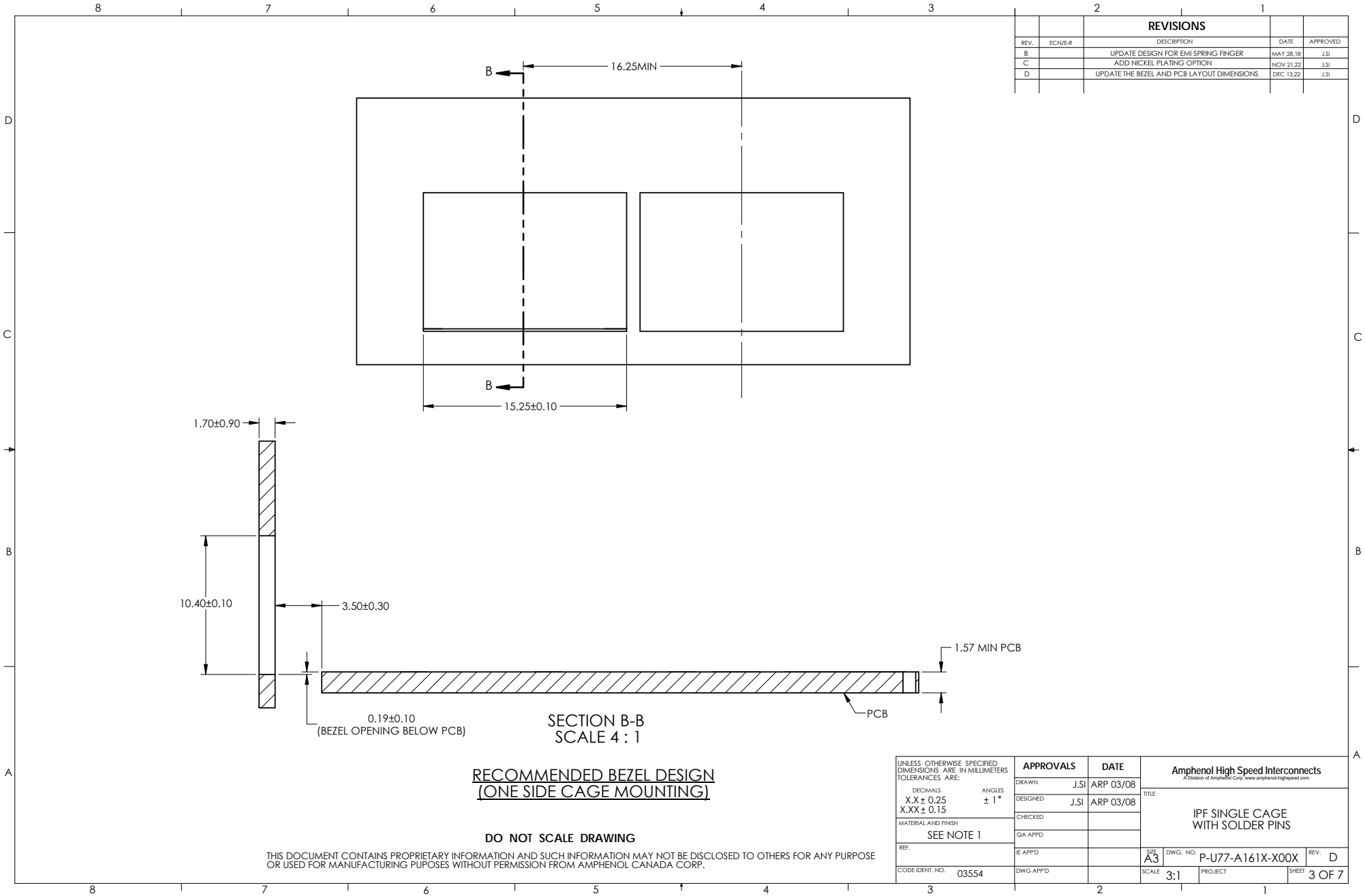


PART NUMBER	SOLDER TAIL HEIGHT(mm)
U77-A1612-X00X	1.20
U77-A1613-X00X	3.20
U77-A1614-X00X	1.80

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DECIMALS	ANGLES	DRAWN	J.SI	ARP 03/08	TITLE	
X.X ± 0.25	± 1°	DESIGNED	J.SI	ARP 03/08	IPF SINGLE CAGE WITH SOLDER PINS	
X.XX ± 0.15		CHECKED				
MATERIAL AND FINISH		QA APPD				
SEE NOTE 1		E APPD			SIZE	DWG. NO.
REF.					A3	P-U77-A161X-X00X
CODE IDENT. NO.	03554	DWG APPD			SCALE	PROJECT
					3:1	SHEET
						2 OF 7

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REVISIONS				
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**RECOMMENDED BEZEL DESIGN  
(ONE SIDE CAGE MOUNTING)**

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DECIMALS	ANGLES	DRAWN	J.SI	ARP	03/08	TITLE	
X.X ± 0.25	± 1°	DESIGNED	J.SI	ARP	03/08	IPF SINGLE CAGE WITH SOLDER PINS	
X.XX ± 0.15		CHECKED					
MATERIAL AND FINISH		QA APPD					
SEE NOTE 1							
REF.		E APPD				SIZE	DWG. NO.
						A3	P-U77-A161X-X00X
CODE IDENT. NO.	03554	DWG APPD				SCALE	PROJECT
						3:1	SHEET
							3 OF 7

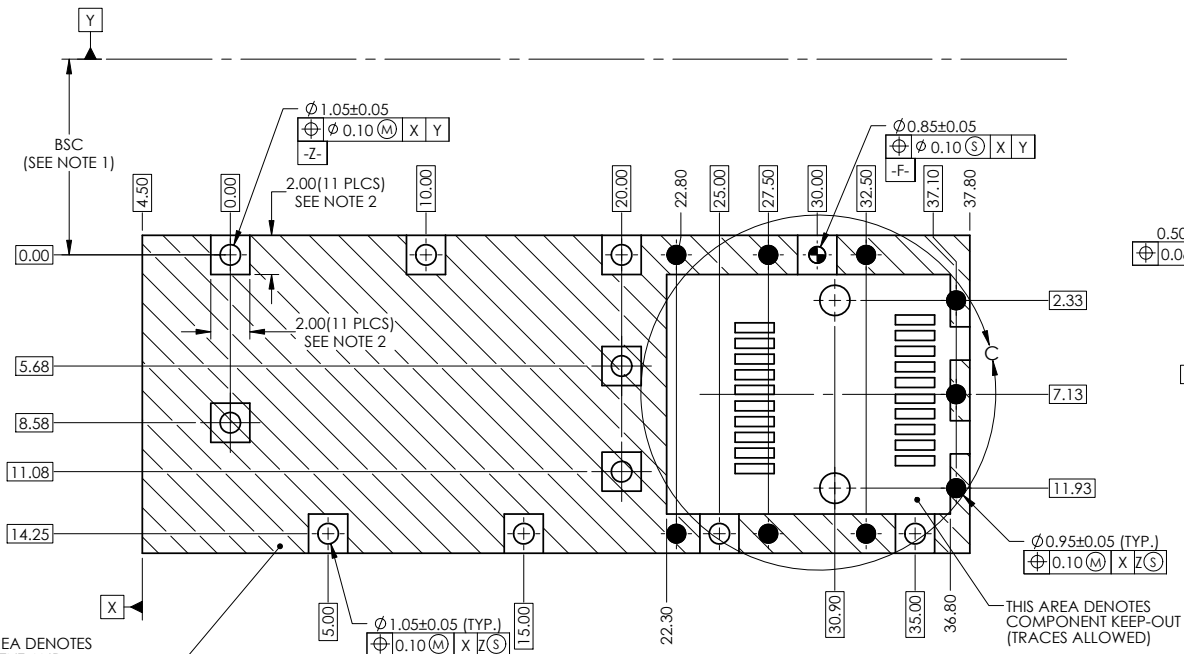
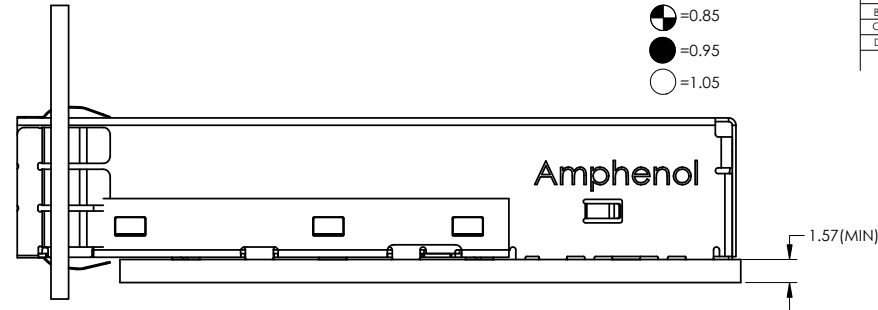
- NOTES:  
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.  
 2. PADS AND VIAS ARE CHASSIS GROUND. 11 PLACES.  
 3. THRU HOLES PLATING OPTIONAL.  
 4. SEE DRAWING P-UX75-A20-X00XX FOR CONNECTOR LAYOUT.

HOLE SIZE:

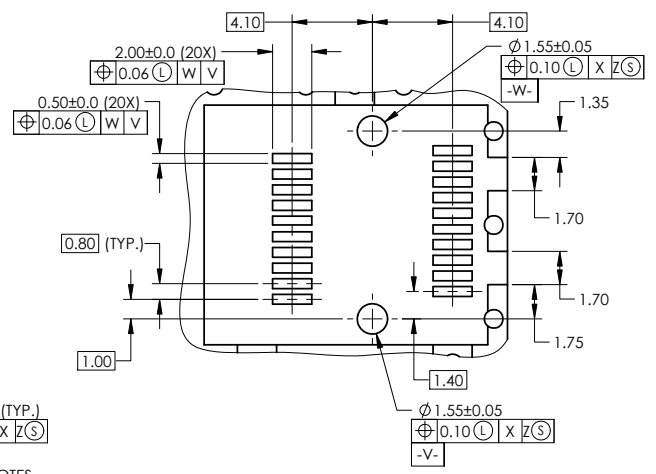
-  = 0.85
-  = 0.95
-  = 1.05

REVISIONS

REV.	EC/N/E-R	DESCRIPTION	DATE	APPROVED
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HATCH AREA DENOTES COMPONENT AND TRACES KEEP-OUT (EXCEPT CHASSIS GROUND) SEE NOTE 4



DETAIL C SCALE 4 : 1

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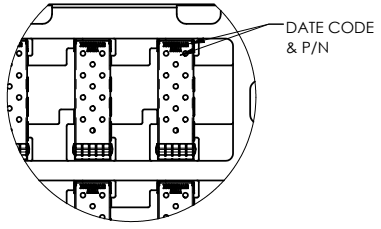
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.25 ± 1° X.XX ± 0.15	APPROVALS	DATE	Amphenol High Speed Interconnects <small>A Division of Amphenol Corp. www.amphenolhighspeed.com</small>	
	DRAWN J.SI	ARP 03/08	TITLE	
	DESIGNED J.SI	ARP 03/08	IPF SINGLE CAGE WITH SOLDER PINS	
	CHECKED			
MATERIAL AND FINISH	SEE NOTE 1	QA APPD		
REF.	E APPD		SIZE A3	DWG. NO. P-U77-A161X-X00X
CODE IDENT. NO. 03554	DWG APPD		SCALE 3:1	PROJECT SHEET 4 OF 7

8 7 6 5 4 3 2 1

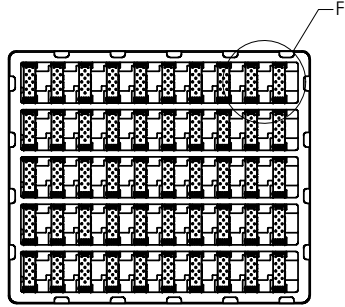
REVISIONS				
REV.	ECN/E-R	DESCRIPTION	DATE	APPROVED
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NOTES:

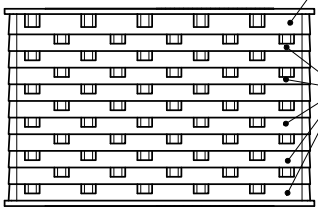
1. A FULLY LOADED TRAY TO CONTAIN 50 CAGES.
2. PLACE TRAYS INTO THE CARTON AS SHOWN. FULLY LOADED CARTON SHALL CONTAIN 10 TRAYS (500 SFP CAGES) PLUS ONE EMPTY TRAY ON THE TOP AS A COVER. FILL EMPTY SPACE IN THE CARTON WITH PAPER FOR ANY PARTIAL SHIPMENT.



DETAIL F  
SCALE 1 : 2



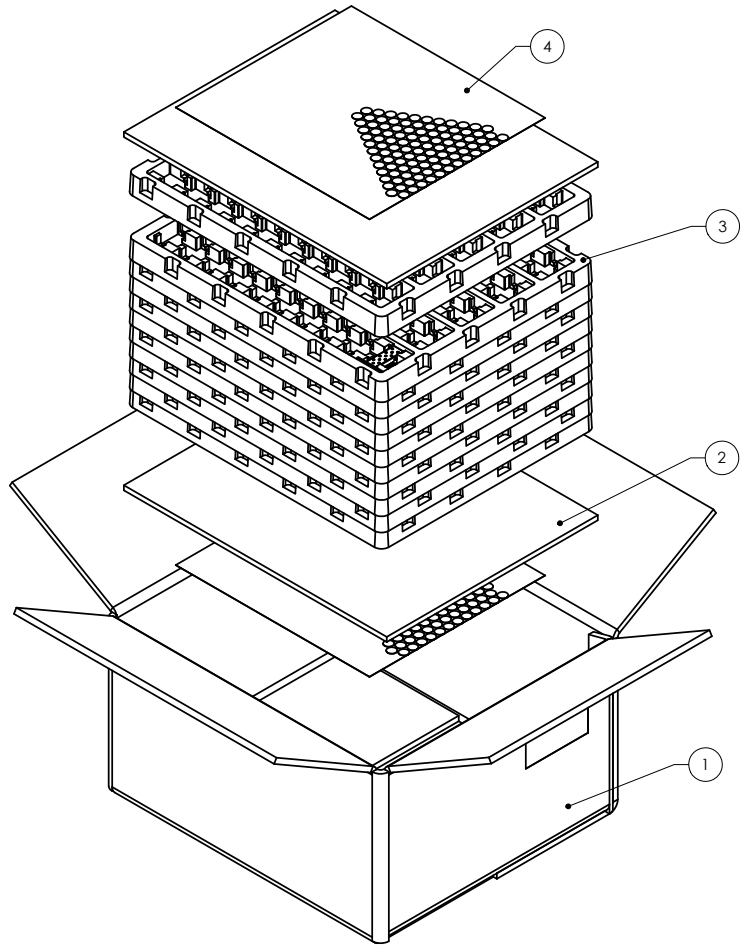
F



EMPTY TRAY

FULLY LOADED TRAYS

ITEM NO.	DESCRIPTION
4	BUBLE FILM OR PLASTIC SHEET
3	PLASTIC TRAY
2	CHIPBOARD LINER
1	CARTON MASTER



**U77-A161X-X001 SHOWN  
(CAGE SHOWN FOR REF. ONLY)**

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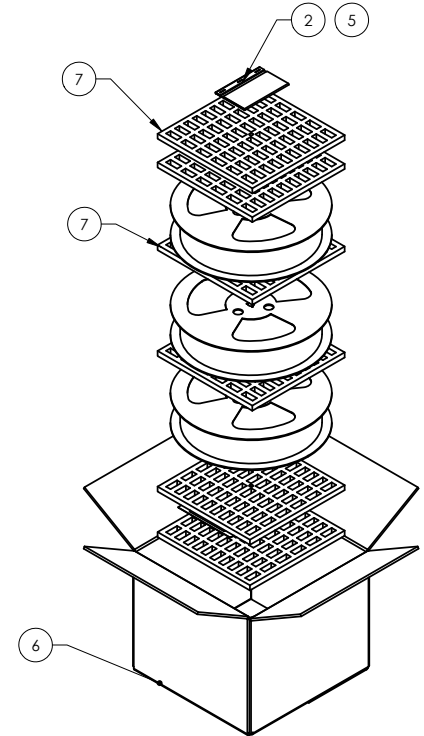
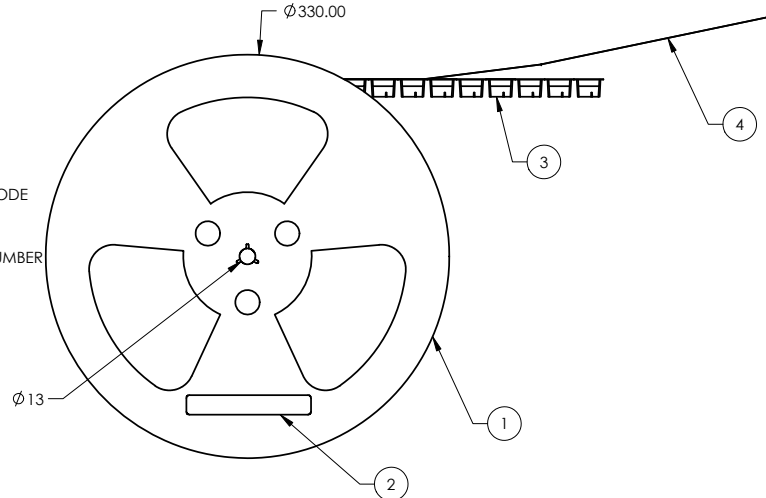
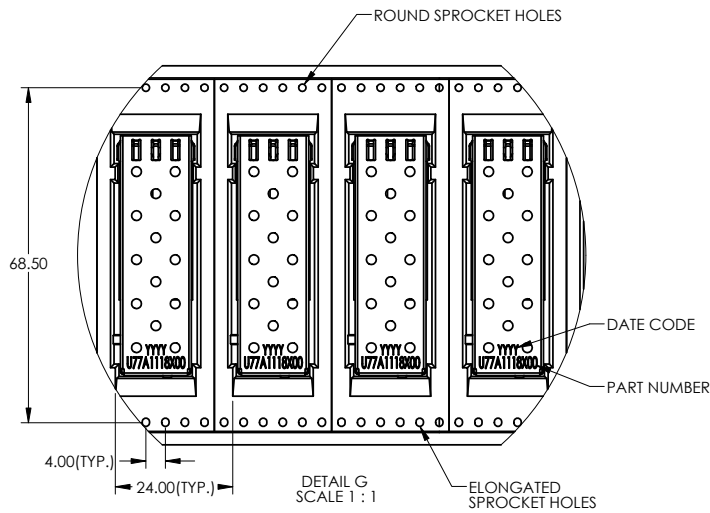
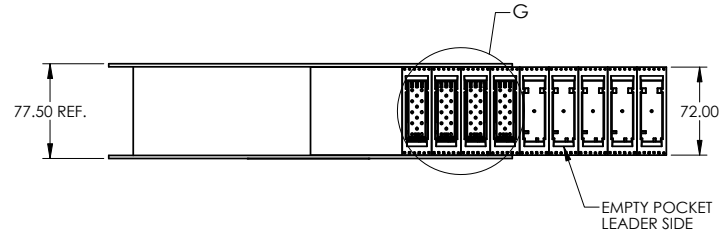
<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:</small> DECIMALS                      ANGLES X.X ± 0.25                      ± 1° X.XX ± 0.15	<b>APPROVALS</b>	<b>DATE</b>	Amphenol High Speed Interconnects <small>A Division of Amphenol Corp. www.amphenolhighspeed.com</small>	
	DRAWN    J.SI	ARP 03/08		
	DESIGNED    J.SI	ARP 03/08	IPF SINGLE CAGE WITH SOLDER PINS	
	CHECKED			
MATERIAL AND FINISH		QA APPD		
SEE NOTE 1				
REF.	E APPD		SIZE A3	DWG. NO. P-U77-A161X-X00X
CODE IDENT. NO.    03554	DWG APPD		SCALE 1:10	PROJECT
				REV.    D
				SHEET 5 OF 7

8 7 6 5 4 3 2 1

NOTES:

1. A FULLY LOADED REEL TO CONTAIN 150 CAGES FOR U77-A1612-X00XX AND U77-A1614-X00X.  
A FULLY LOADED REEL TO CONTAIN 130 CAGES FOR U77-A1613-X00X.
2. A FULLY LOADED CARTON SHALL CONTAIN 3 REELS.

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ITEM NO.	DESCRIPTION
7	FOAM INSERT
6	CARTON MASTER
5	PLASTIC BAG FOR DUST COVER
4	COVER TAPE
3	CARRIER TAPE
2	LABEL
1	PLASTIC REEL (SET)

**U77-A161X-X00T SHOWN  
(CAGE SHOWN FOR REF. ONLY)**

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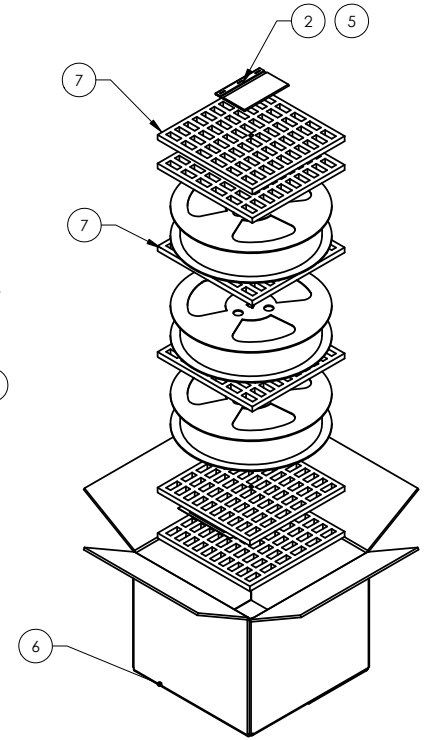
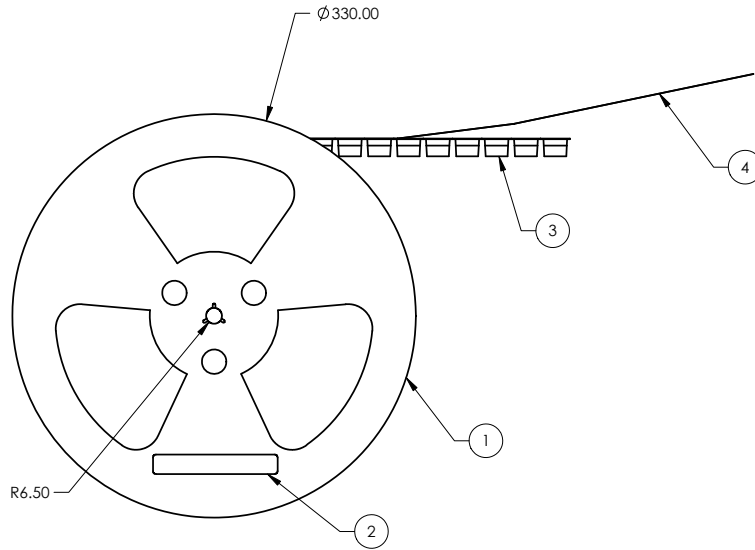
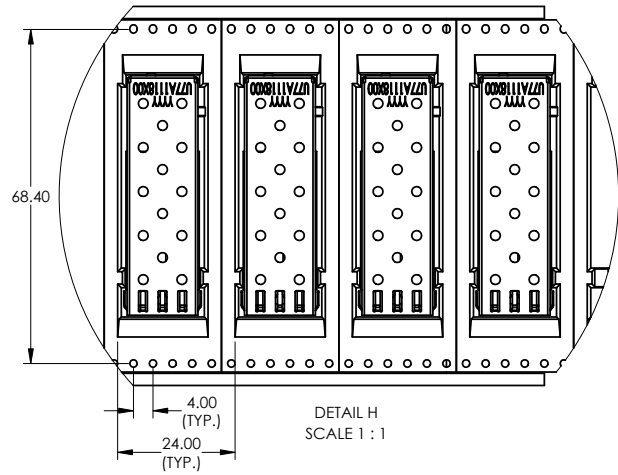
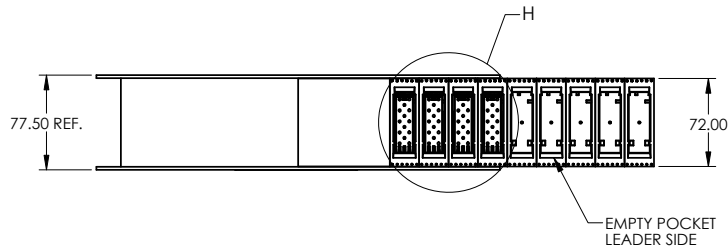
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	DRAWN: J.SI	ARP 03/08			
	DESIGNED: J.SI	ARP 03/08	IPF SINGLE CAGE WITH SOLDER PINS		
	CHECKED:		QA APPD:		
	E APPD:		SIZE: A3	DWG. NO.: P-U77-A161X-X00X	REV.: D
	DWG APPD:		SCALE: 3:1	PROJECT:	SHEET: 6 OF 7

NOTES:

1. A FULLY LOADED REEL TO CONTAIN 150 CAGES FOR U77-A1612-X00XX AND U77-A1614-X00X.  
A FULLY LOADED REEL TO CONTAIN 130 CAGES FOR U77-A1613-X00X.
2. A FULLY LOADED CARTON SHALL CONTAIN 3 REELS.

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7	FOAM INSERT
6	CARTON MASTER
5	PLASTIC BAG FOR DUST COVER
4	COVER TAPE
3	CARRIER TAPE
2	LABEL
1	PLASTIC REEL (SET)

U77-A161X-X00R SHOWN  
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X.XX ± 0.15		CHECKED					
MATERIAL AND FINISH		QA APPD					
SEE NOTE 1							
REF.		E APPD				SIZE	DWG. NO.
						A3	P-U77-A161X-X00X
CODE IDENT. NO.	03554	DWG APPD				SCALE	PROJECT
						3:1	7 OF 7
							REV. D