

MATERIAL (RoHS COMPLIANT)

CAGE:  
COPPER ALLOY

PLATING: (SEE PART NUMBER FOR OPTION)  
OPTION 1: 2.54 µm MIN. BRIGHT TIN PLATING  
OVER 1.27 µm MIN. NICKEL UNDER PLATING.  
(BRIGHT TIN SOLDER TEMPERATURE 230°C MAX.)

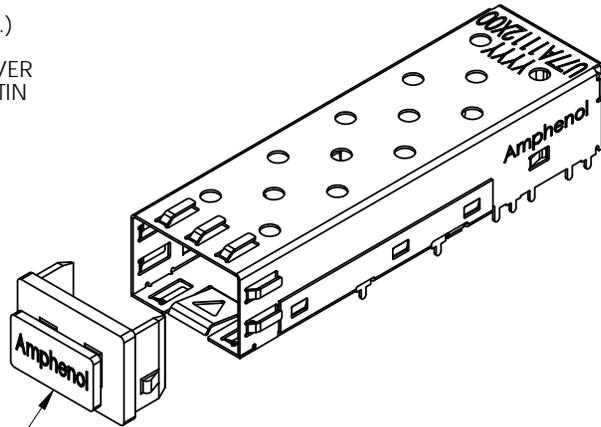
OPTION 3: 2.54 µm MIN. MATTE TIN PLATING OVER  
1.27 µm MIN. NICKEL UNDER PLATING. (MATTE TIN  
SOLDER TEMPERATURE 245°C MAX. IN 10  
SECONDS OF PEAK TIME)

DUST COVER:  
THERMIPLASTIC, BLACK COLOR.

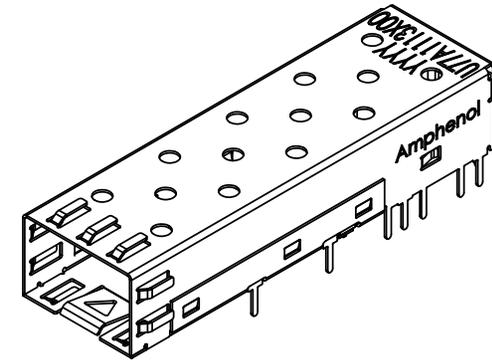
PACKAGING:  
TAPE AND REEL OR TRAY PACKAGING

TEMPERATURE RANGE:  
-40°C TO +85°C.

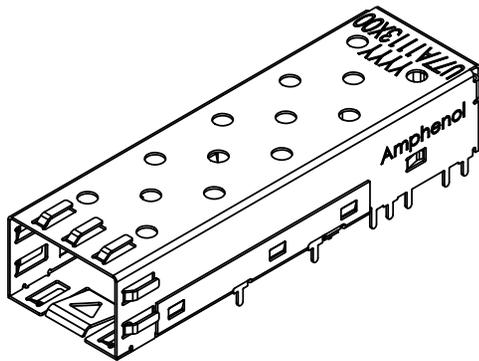
OPTIONAL DUST COVER (SHIP LOOSE)  
P/N U77-A1110-8000-P (STANDARD)  
P/N U77-A1110-8100-P (SPECIAL)



U77-A1112-XX0X



U77-A1113-XX0X



U77-A1114-XX0X

**AMPHENOL PART NUMBER CONFIGURATION**

U 7 7 - A 111 X - X X 0 X

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

CAGE PLATING:  
1 = BRIGHT TIN PLATING  
3 = MATTE TIN PLATING

OPTIONAL DUST COVER:  
0 = NO DUST COVER  
D = WITH STANDARD DUSTOVER (SHIP LOOSE)  
S = WITH SPECIAL DUSTOVER (SHIP LOOSE)

PACKAGING:  
T = TRAY PACKAGING  
R = TAPE & REEL PACKAGING  
(STANDARD CAGE ORIENTATION)  
R = TAPE & REEL PACKAGING  
(REVERSED CAGE ORIENTATION)

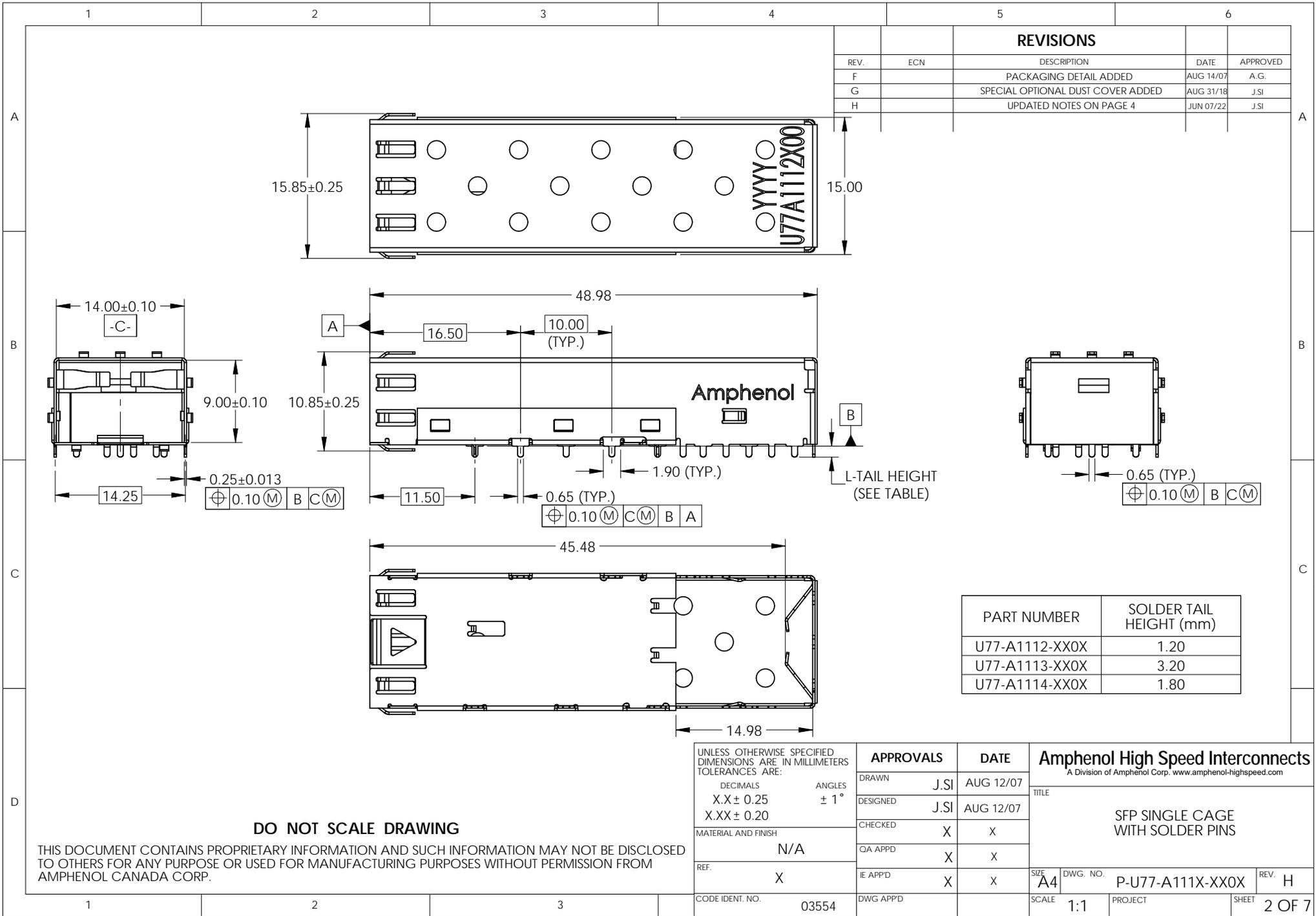
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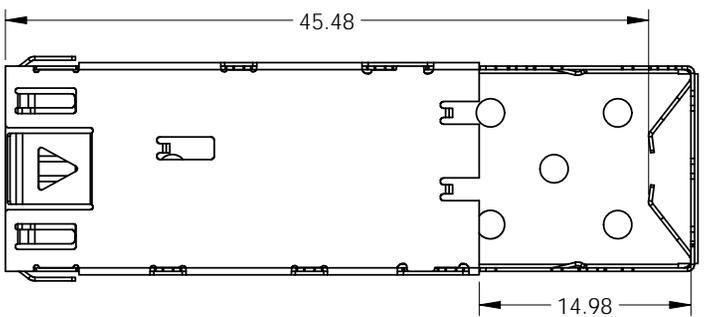
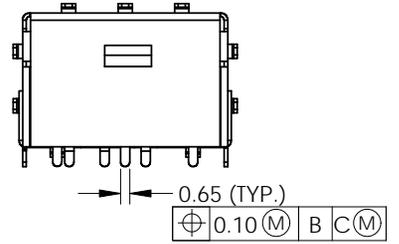
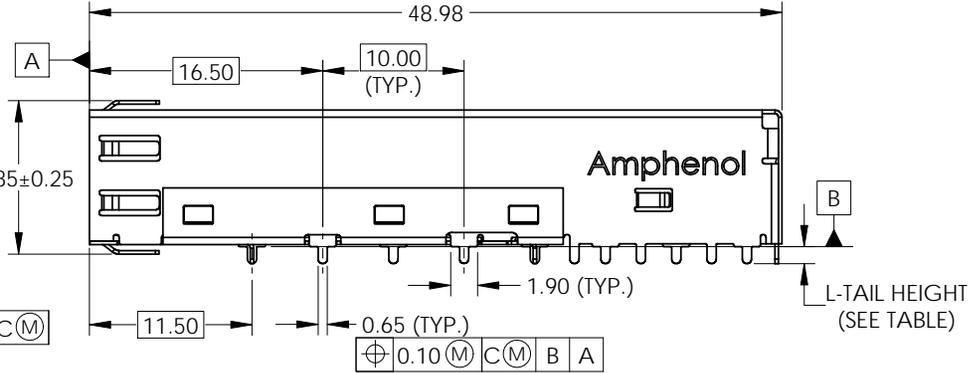
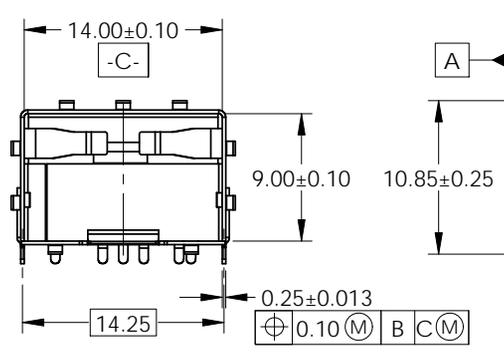
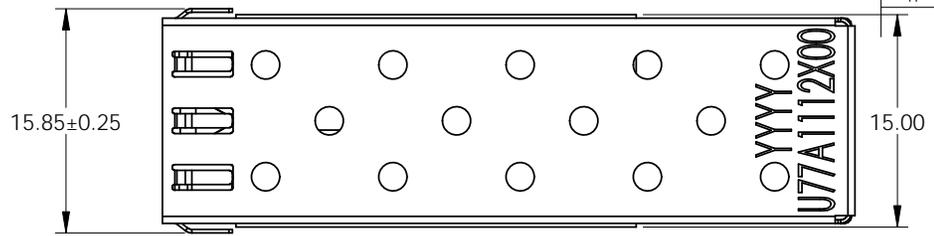
REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
F		PACKAGING DETAIL ADDED	AUG 14/07	A.G.
G		SPECIAL OPTIONAL DUST COVER ADDED	AUG 31/18	J.SI
H		UPDATED NOTES ON PAGE 4	JUN 07/22	J.SI

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		<b>APPROVALS</b>		<b>DATE</b>		<b>Amphenol High Speed Interconnects</b> A Division of Amphenol Corp. www.amphenol-highspeed.com	
DECIMALS	ANGLES	DRAWN	J.SI	AUG 12/07	TITLE  SFP SINGLE CAGE WITH SOLDER PINS		
X.X ± 0.25	± 1°	DESIGNED	J.SI	AUG 12/07			
X.XX ± 0.20		CHECKED	X	X			
MATERIAL AND FINISH N/A		QA APPD	X	X			
REF.	X	IE APPD	X	X	SIZE A4	DWG. NO.	P-U77-A111X-XX0X
CODE IDENT. NO.	03554	DWG APPD			SCALE	2:1	PROJECT
						SHEET	1 OF 7



**REVISIONS**

REV.	ECN	DESCRIPTION	DATE	APPROVED
F		PACKAGING DETAIL ADDED	AUG 14/07	A.G.
G		SPECIAL OPTIONAL DUST COVER ADDED	AUG 31/18	J.SI
H		UPDATED NOTES ON PAGE 4	JUN 07/22	J.SI



PART NUMBER	SOLDER TAIL HEIGHT (mm)
U77-A1112-XX0X	1.20
U77-A1113-XX0X	3.20
U77-A1114-XX0X	1.80

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DECIMALS	ANGLES
X.X ± 0.25	± 1°
X.XX ± 0.20	

MATERIAL AND FINISH: N/A

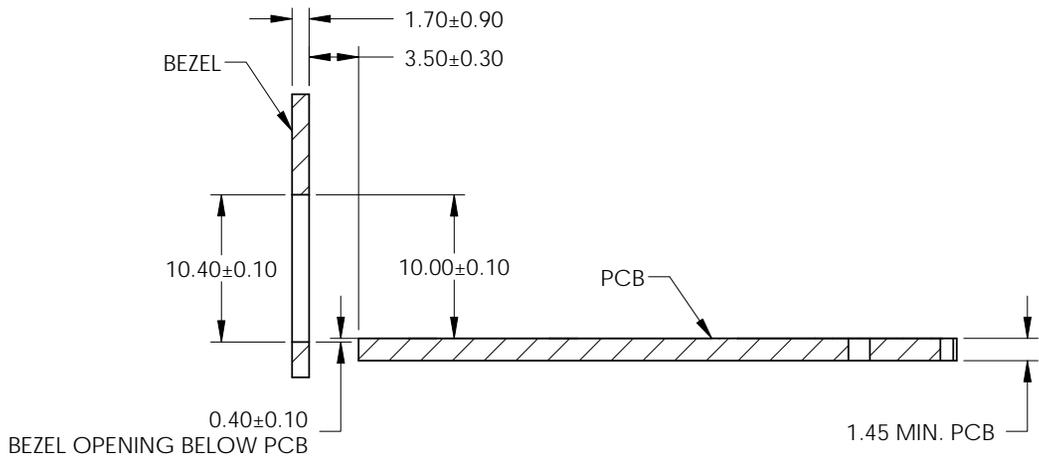
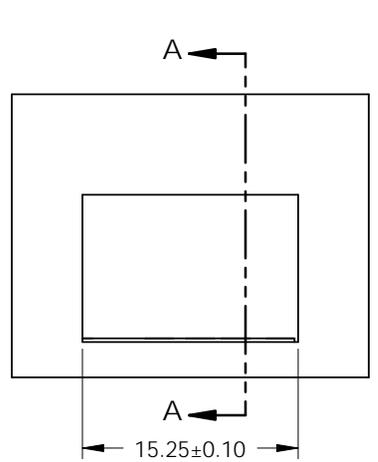
REF. X

CODE IDENT. NO. 03554

APPROVALS		DATE
DRAWN	J.SI	AUG 12/07
DESIGNED	J.SI	AUG 12/07
CHECKED	X	X
QA APPD	X	X
IE APPD	X	X
DWG APPD		

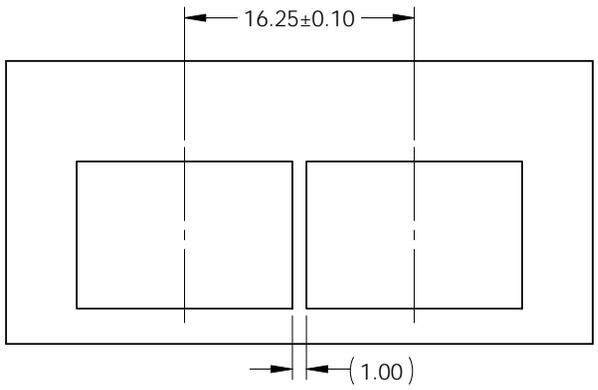
Amphenol High Speed Interconnects		
A Division of Amphenol Corp. www.amphenol-highspeed.com		
TITLE	SFP SINGLE CAGE WITH SOLDER PINS	
SIZE	DWG. NO.	REV.
A4	P-U77-A111X-XX0X	H
SCALE	PROJECT	SHEET
1:1		2 OF 7

REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
F		PACKAGING DETAIL ADDED	AUG 14/07	A.G.
G		SPECIAL OPTIONAL DUST COVER ADDED	AUG 31/18	J.SI
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**RECOMMENDED BEZEL DESIGN  
(ONE SIDE CAGE MOUNTING)**

**SECTION A-A**



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	DRAWN	J.SI	AUG 12/07	
	DESIGNED	J.SI	AUG 12/07	
	CHECKED	X	X	
MATERIAL AND FINISH	N/A		QA APPD	X
REF.	X	IE APPD	X	X
CODE IDENT. NO.	03554	DWG APPD		

SIZE <b>A4</b>	DWG. NO. <b>P-U77-A111X-XX0X</b>	REV. <b>H</b>
SCALE <b>2:1</b>	PROJECT	SHEET <b>3 OF 7</b>

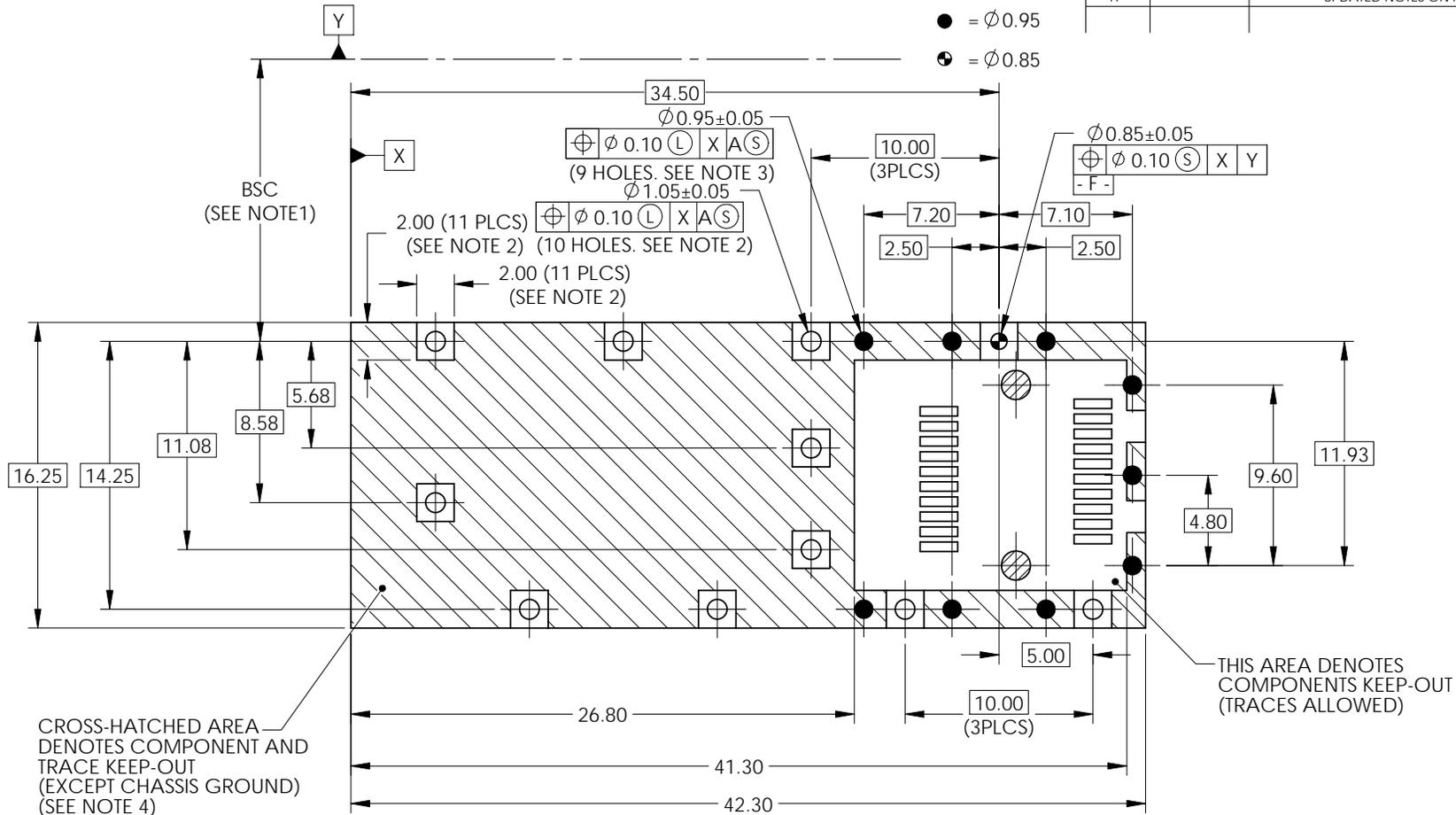
- NOTES:  
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.  
 2. PADS AND VIAS ARE CHASSIS GROUND, 11 PLACES.  
 3. THRU-HOLES PLATING OPTIONAL.  
 4. SEE DRAWING P-UE75-A20-X000X FOR CONNECTOR LAYOUT.

HOLE SIZES

- ⊗ =  $\varnothing 1.55$
- =  $\varnothing 1.05$
- =  $\varnothing 0.95$
- ⦿ =  $\varnothing 0.85$

REVISIONS

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H		UPDATED NOTES ON PAGE 4	JUN 07/22	J.SI



CROSS-HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND) (SEE NOTE 4)

THIS AREA DENOTES COMPONENTS KEEP-OUT (TRACES ALLOWED)

RECOMMENDED SFP HOST BOARD LAYOUT  
 (ONE SIDE CAGE MOUNTING)  
 (SCALE 3:1)

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:

DECIMALS ANGLES  
 X.X ± 0.25 ± 1°  
 X.XX ± 0.20

MATERIAL AND FINISH

N/A

REF. X

CODE IDENT. NO. 03554

APPROVALS		DATE
DRAWN	J.SI	AUG 12/07
DESIGNED	J.SI	AUG 12/07
CHECKED	X	X
QA APPD	X	X
IE APPD	X	X
DWG APPD		

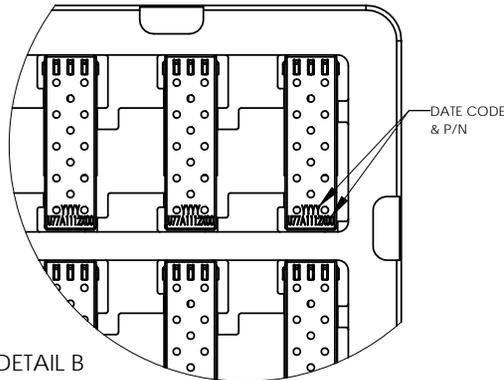
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TITLE  
 SFP SINGLE CAGE WITH SOLDER PINS

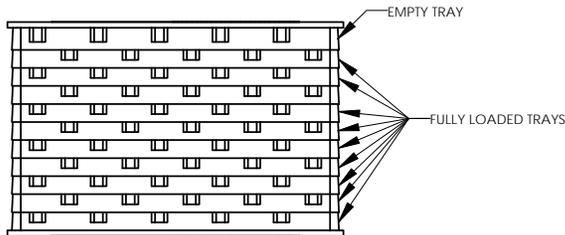
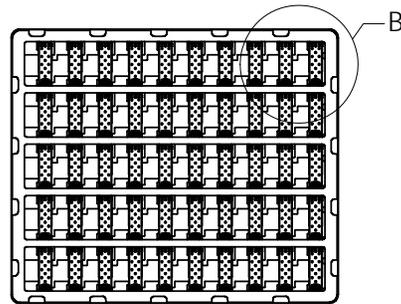
SIZE A4	DWG. NO. P-U77-A111X-XX0X	REV. H
SCALE 2:1	PROJECT	SHEET 4 OF 7

- 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.

REVISIONS				
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G		SPECIAL OPTIONAL DUST COVER ADDED	AUG 31/18	J.SI
H		UPDATED NOTES ON PAGE 4	JUN 07/22	J.SI

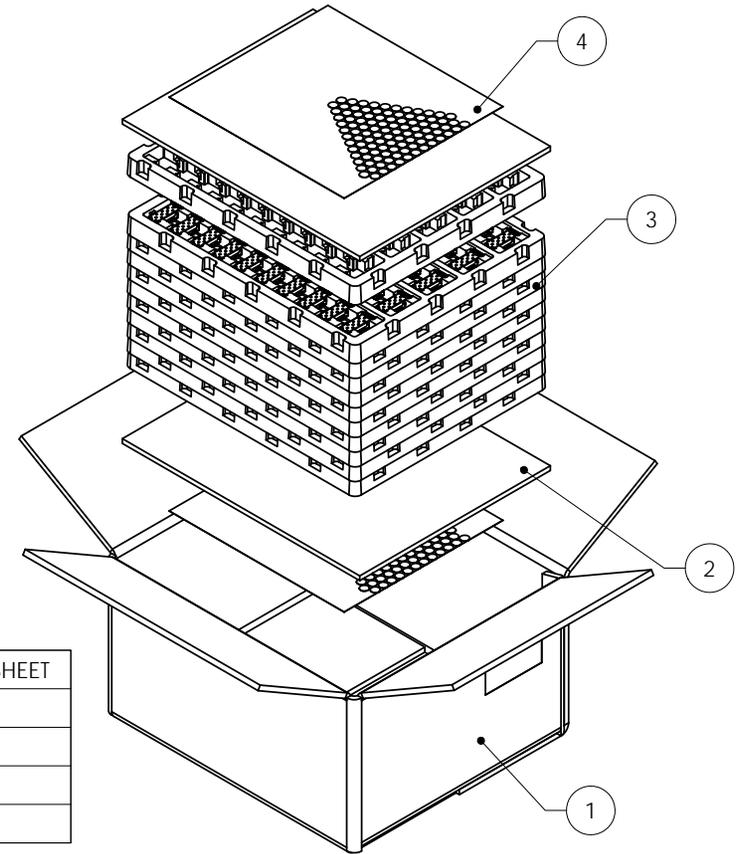


DETAIL B  
SCALE 1 : 2



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

PACKAGING SPEC FOR U77-A111X-XX01



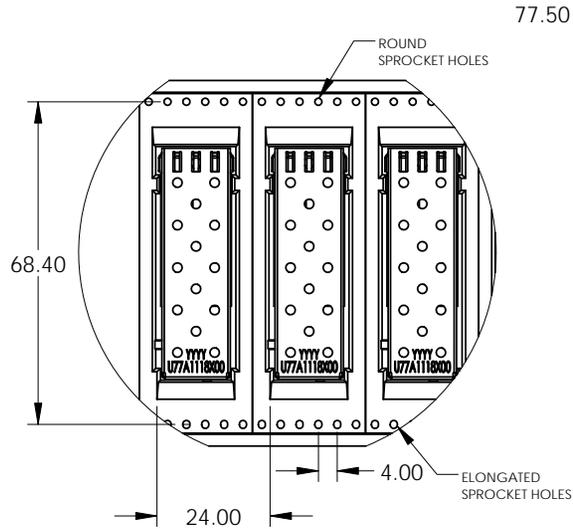
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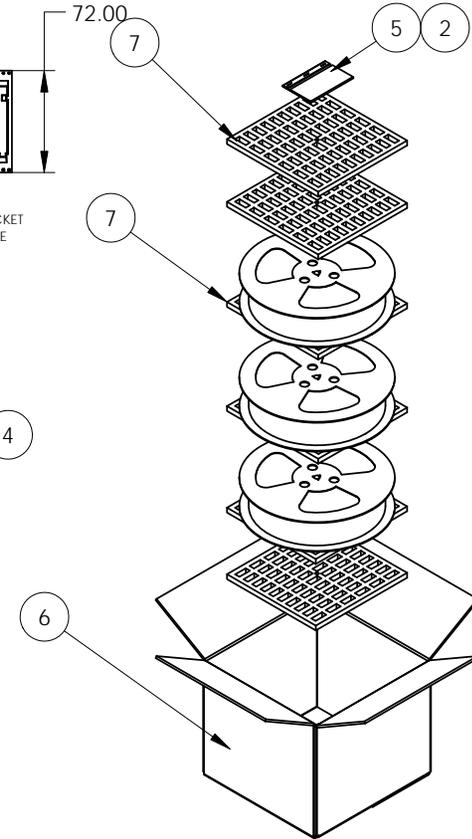
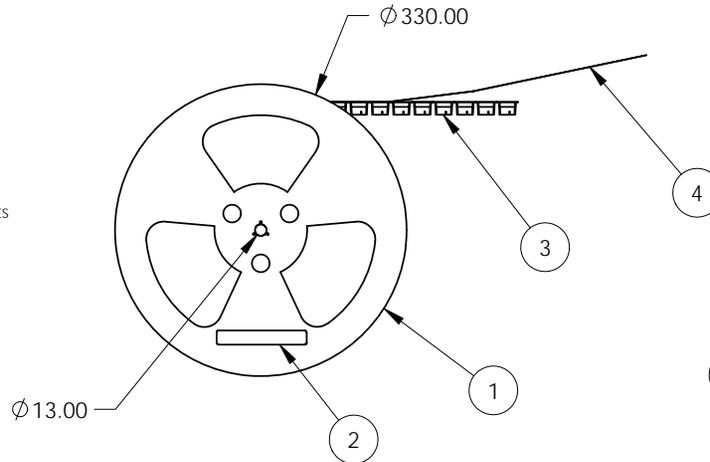
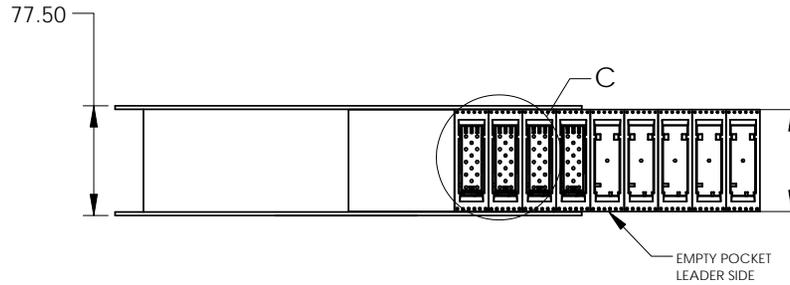
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE		Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com			
DECIMALS	X.X ± 0.25	DRAWN	J.SI	AUG 12/07	TITLE  SFP SINGLE CAGE WITH SOLDER PINS				
ANGLES	± 1°	DESIGNED	J.SI	AUG 12/07					
MATERIAL AND FINISH	N/A	CHECKED	X	X					
REF.	X	QA APPD	X	X					
CODE IDENT. NO.	03554	IE APPD	X	X	SIZE A4	DWG. NO.	P-U77-A111X-XX0X	REV.	H
		DWG APPD			SCALE	1:20	PROJECT	SHEET 5 OF 7	

NOTES:  
 1. A FULLY LOADED REEL TO CONTAIN 150 CAGES.  
 2. FULLY LOADED CARTON SHALL CONTAIN 3 REELS (450 SFP CAGES).

REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
F		PACKAGING DETAIL ADDED	AUG 14/07	A.G.
G		SPECIAL OPTIONAL DUST COVER ADDED	AUG 31/18	J.SI
H		UPDATED NOTES ON PAGE 4	JUN 07/22	J.SI



DETAIL C  
SCALE 1 : 1.5



PACKAGING SPEC FOR U77-A111X-XX0T

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

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DECIMALS ANGLES  
 X.X ± 0.25 ± 1°  
 X.XX ± 0.20

MATERIAL AND FINISH

N/A

REF. X

CODE IDENT. NO. 03554

APPROVALS		DATE
DRAWN	J.SI	AUG 12/07
DESIGNED	J.SI	AUG 12/07
CHECKED	X	X
QA APPD	X	X
IE APPD	X	X
DWG APPD		

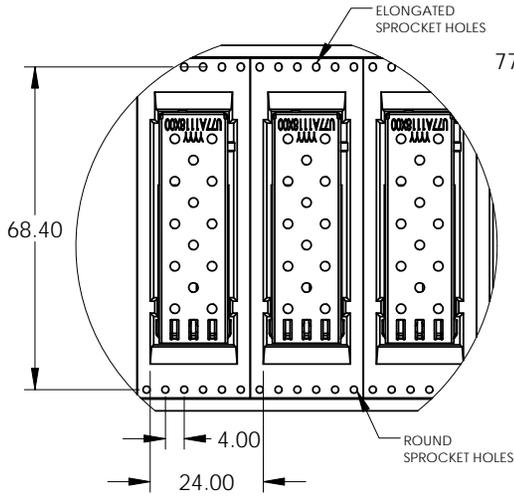
**Amphenol High Speed Interconnects**  
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TITLE  
 SFP SINGLE CAGE WITH SOLDER PINS

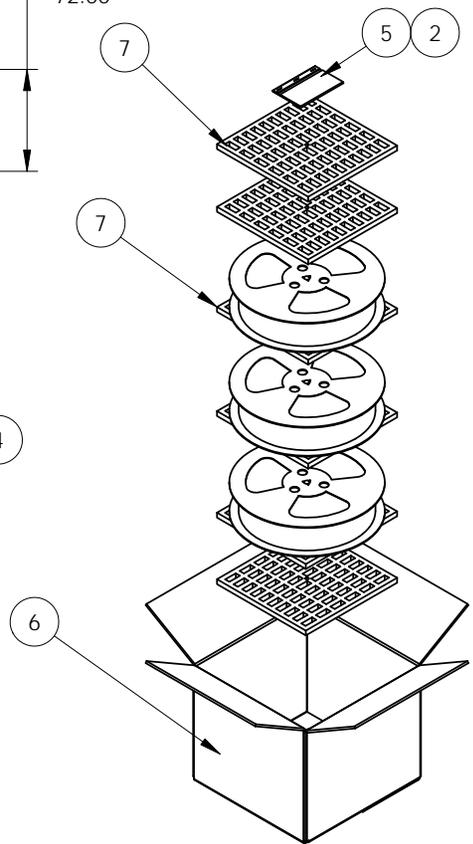
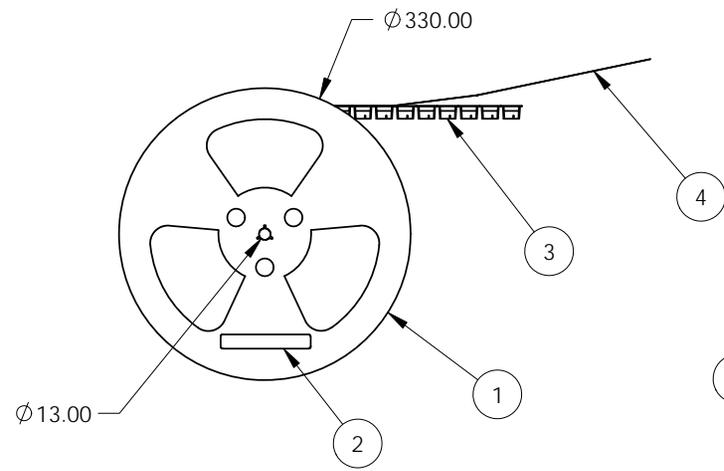
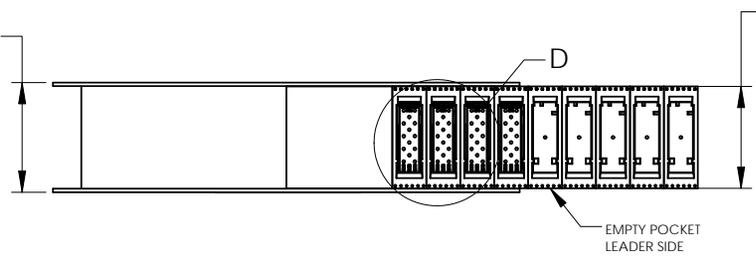
SIZE	DWG. NO.	REV.
A4	P-U77-A111X-XX0X	H
SCALE	PROJECT	SHEET
1:20		6 OF 7

NOTES:  
 1. A FULLY LOADED REEL TO CONTAIN 150 CAGES.  
 2. FULLY LOADED CARTON SHALL CONTAIN 3 REELS (450 SFP CAGES).

REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
F		PACKAGING DETAIL ADDED	AUG 14/07	A.G.
G		SPECIAL OPTIONAL DUST COVER ADDED	AUG 31/18	J.SI
H		UPDATED NOTES ON PAGE 4	JUN 07/22	J.SI



DETAIL D  
SCALE 1 : 1.5



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

PACKAGING SPEC FOR U77-A111X-XX0R

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X.X ± 0.25	± 1°	DESIGNED	J.SI	AUG 12/07		
X.XX ± 0.20		CHECKED	X	X		
MATERIAL AND FINISH	N/A	QA APPD	X	X		
REF.	X	IE APPD	X	X	SIZE A4	DWG. NO. P-U77-A111X-XX0X
CODE IDENT. NO.	03554	DWG APPD			SCALE 1:20	PROJECT
					SHEET	7 OF 7