

AMPHENOL PART NUMBER CONFIGURATION

V36-ADZ01-X0X X0XX



PACKAGING

0T=TAPE AND REEL, WIDTH 32mm
1T=TAPE AND REEL, WIDTH 44mm

CONTACT TIP OPTIONS

0=45° LEAD-IN ANGLE
1=35° LEAD-IN ANGLE

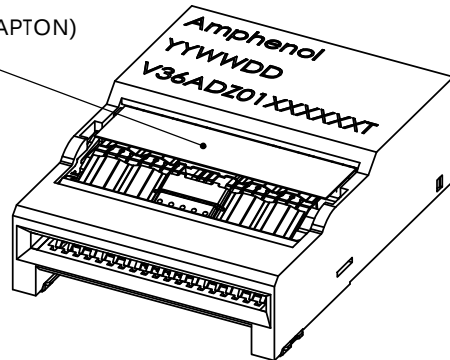
TERMINATION OPTIONS

1=STANDARD SINGLE SIDE
7=SOLDER RINGS

PLATING OPTION

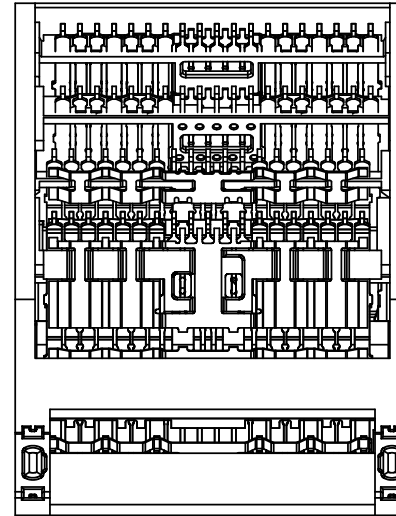
2 = 0.76 µm MIN. GXT,
MATTE TIN ON SOLDER TERMINATIONS
3 = 0.76 µm MIN. GOLD,
MATTE TIN ON SOLDER TERMINATIONS
6 = 0.38 µm MIN. GOLD,
MATTE TIN ON SOLDER TERMINATIONS

POLYIMIDE (KAPTON)
TAPE

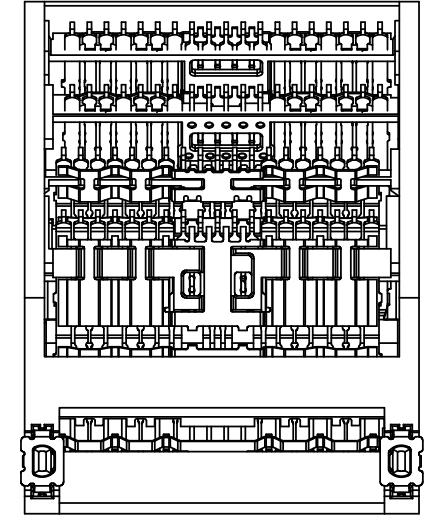


ISOMETRIC VIEW
SCALE 3:1

REVISIONS			
REV.	DESCRIPTION/ECN	DATE	APPROVED
A	PRELIMINARY RELEASE	2020/03/04	J.SHOBBER
B	SHEET 2: ADDED (0.50 TYP) DIM	2020/04/08	J.SHOBBER
C	ADDED BELLY TO BELLY CONTENT	2020/04/14	J.SHOBBER
D	UPDATED FOOTPRINT WITH SMT PAD SIZE OF 1.3mm x 0.31mm REFLECTING MSA UPDATE (0.95mm x 0.31mm ON ENHANCED FOOTPRINT); UPDATED PART NUMBERS. ADDED DIM 2X (0.95). UPDATED MAX POWER RATING TO 1.5A (NOTE 3).	2020/06/12	J.SHOBBER
E	UPDATED DRAWING TITLE	2021/02/09	J.SHOBBER
F	HOUSING SLOT DIM 1.14 WAS 1.24	2021/02/17	J.SHOBBER
G	INCREASE WIDTH OF MATING CONTACTS AND MADE RELATED MODIFICATION TO THE HOUSING SNOUT. ADD CUSTOMIZED PACKAGE OPTION "IT"	2022/09/23	J.SHOBBER
H	ADD NEW OPTIONS PER PCN-C1779(CHANGE THE CONTACT TIP ANGLE AND LENGTH; RELATED MODIFICATION TO THE HOUSING SNOUT; REMOVE THE SHORTING BAR ON THE SPRING BEAM.)	3/3/2023	O.KHAN



V36-ADZ01-X0100XT
STANDARD
(SINGLE-SIDE MOUNT)

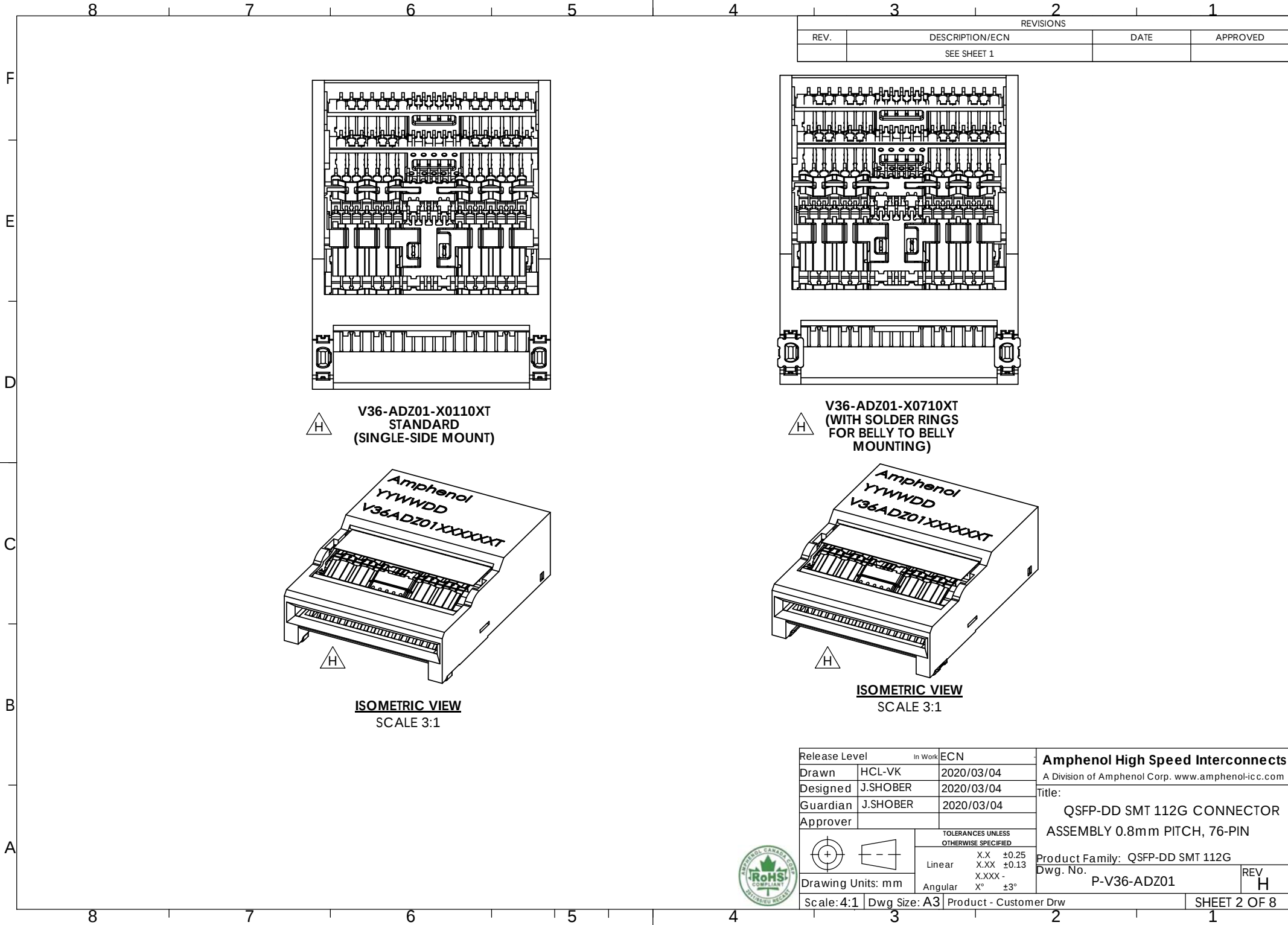


V36-ADZ01-X0700XT
(WITH SOLDER RINGS
FOR BELLY TO BELLY
MOUNTING)

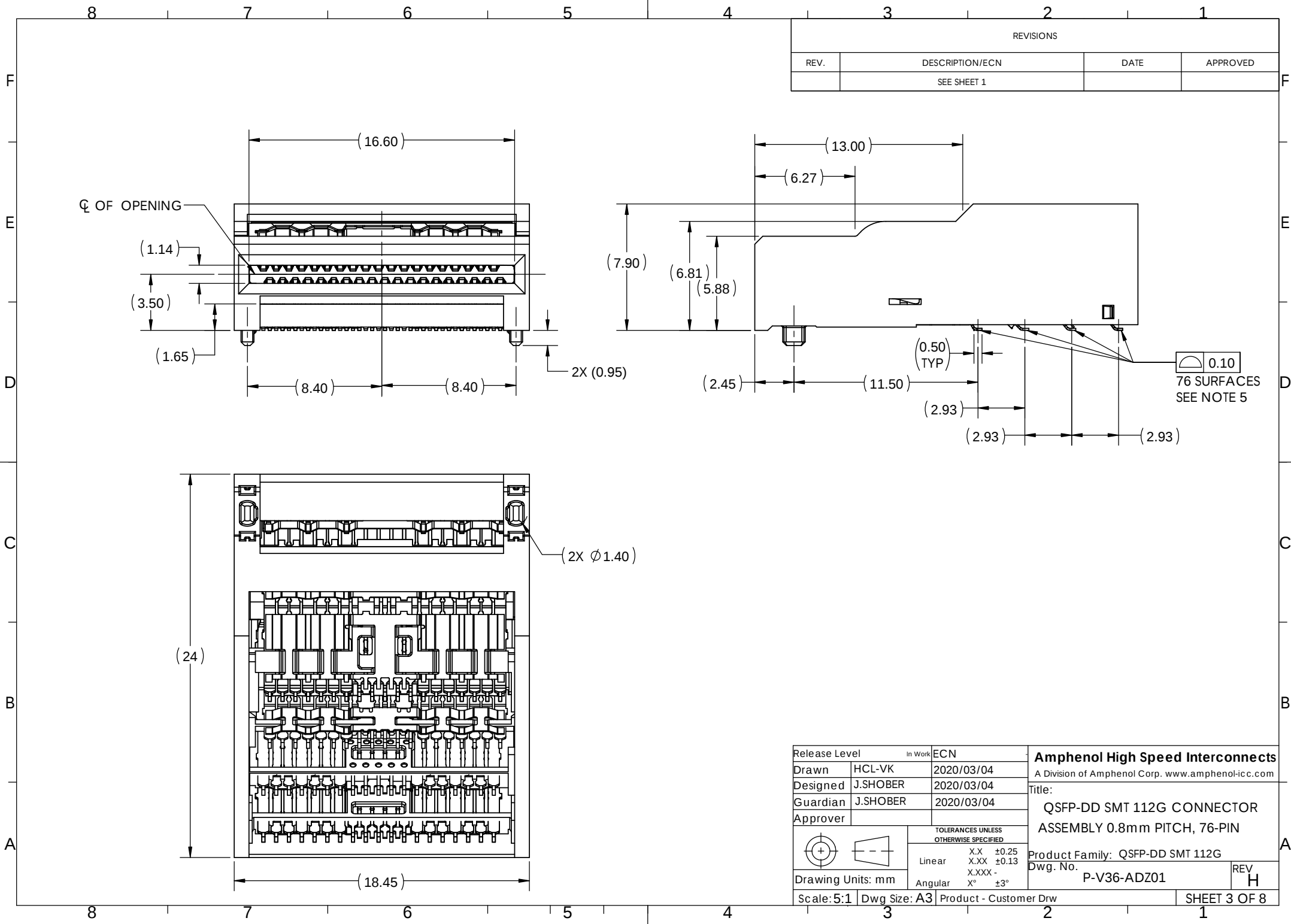
Release Level	In Work	ECN	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-icc.com	
Drawn	HCL-VK	2020/03/04		
Designed	J.SHOBBER	2020/03/04		
Guardian	J.SHOBBER	2020/03/04		
Approver			Title: QSFP-DD SMT 112G CONNECTOR ASSEMBLY 0.8mm PITCH, 76-PIN	
			Product Family: QSFP-DD SMT 112G	
			Dwg. No. P-V36-ADZ01	
Drawing Units: mm			REV H	
Scale: 4:1			SHEET 1 OF 8	



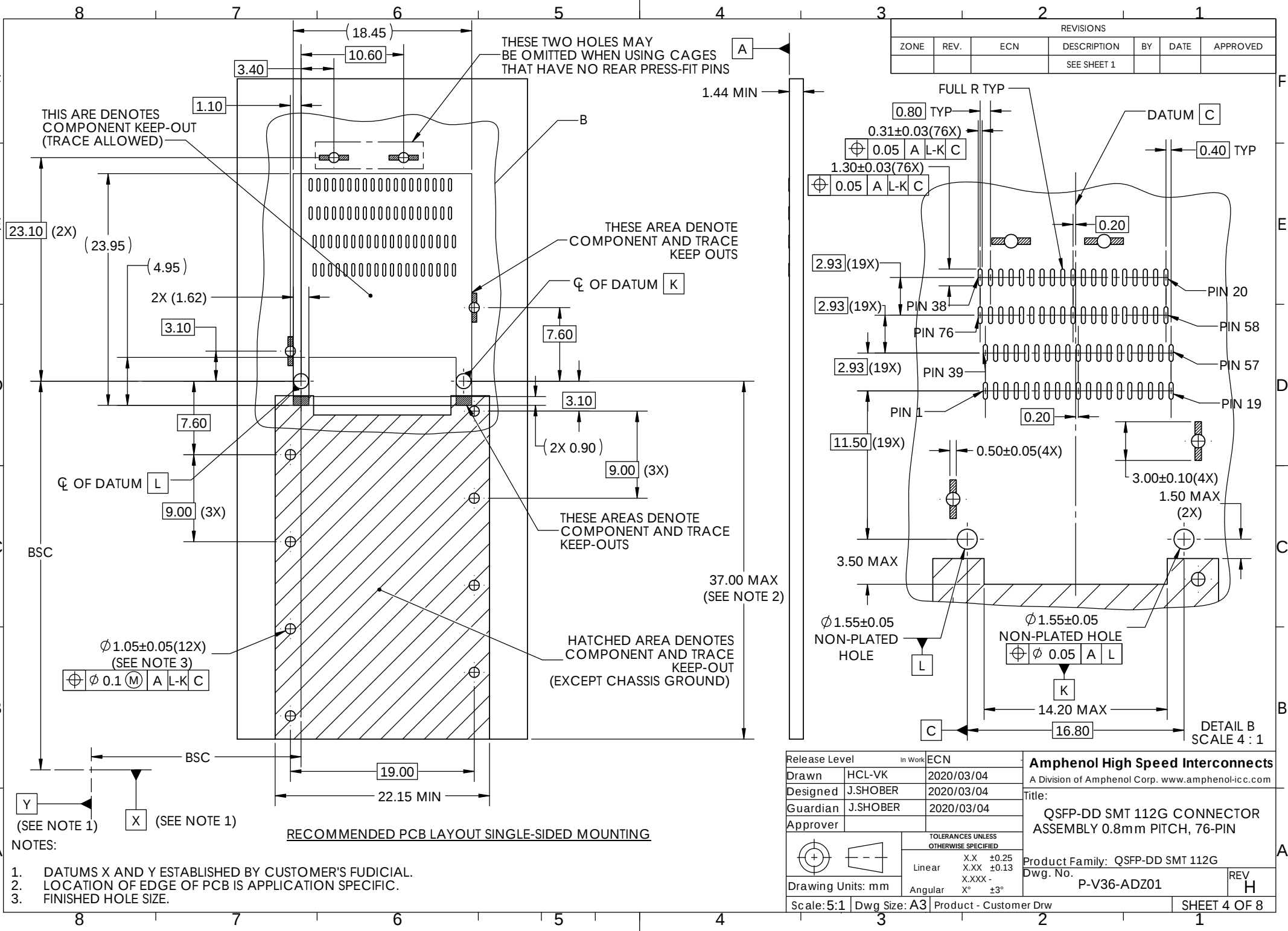
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1. DATUMS X AND Y ESTABLISHED BY CUSTOMER'S FUDICIAL.
2. LOCATION OF EDGE OF PCB IS APPLICATION SPECIFIC.
3. FINISHED HOLE SIZE.

RECOMMENDED PCB LAYOUT SINGLE-SIDED MOUNTING

THESE TWO HOLES MAY
—BE OMITTED WHEN USING CAGES
THAT HAVE NO REAR PRESS-FIT PINS

1.44 MIN —

THESE AREA DENOTE
- COMPONENT AND TRACE
KEEP OUTS

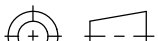
THESE AREAS DENOTE
— COMPONENT AND TRACE
KEEP-OUTS

HATCHED AREA DENOTES
COMPONENT AND TRACE
KEEP-OUT
(EXCEPT CHASSIS GROUND)

[illegible]

DETAIL B
SCALE 4 : 1

Release Level		In Work	ECN	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-icc.com	
Drawn	HCL-VK	2020/03/04		Title: QSFP-DD SMT 112G CONNECTOR ASSEMBLY 0.8mm PITCH, 76-PIN	
Designed	J.SHOBER	2020/03/04			
Guardian	J.SHOBER	2020/03/04			
Approver					
		TOLERANCES UNLESS OTHERWISE SPECIFIED Linear X.X ±0.25 X.XX ±0.13 X.XXX - Angular X° ±3°		Product Family: QSFP-DD SMT 112G	
				Dwg. No. P-V36-ADZ01	
				REV H	
Drawing Units: mm					
Scale: 5:1	Dwg Size: A3	Product - Customer Drw		SHEET 5 OF 8	

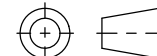
Release Level		In Work	ECN	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-icc.com	
Drawn	HCL-VK	2020/03/04		Title: QSFP-DD SMT 112G CONNECTOR ASSEMBLY 0.8mm PITCH, 76-PIN	
Designed	J.SHOBER	2020/03/04			
Guardian	J.SHOBER	2020/03/04			
Approver					
		TOLERANCES UNLESS OTHERWISE SPECIFIED Linear X.X ±0.25 X.XX ±0.13 X.XXX - Angular X° ±3°		Product Family: QSFP-DD SMT 112G	
				Dwg. No. P-V36-ADZ01	
				REV H	
Scale: 5:1	Dwg Size: A3	Product - Customer Drw		SHEET 7 OF 8	

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NOTES:

- 1. MATERIAL: SOLDER PROCESS REFLOW COMPATIBLE LCP, UL 94 V-0
CONTACTS: COPPER ALLOY. SEE PART NUMBER TREE FOR PLATING DETAILS
- 2. RoHS COMPLIANT.
- 3. PERFORMANCE: 0.50A MAX. SIGNAL CONTACTS
1.5A MAX. POWER CONTACTS
MECHANICAL: 100 MATING CYCLES MIN.
- 4. COMPLIES WITH QSFP-DD MSA.
- 5. SOLDER LEAD COPLANARITY IS INSPECTED WITH RESPECT TO A BEST-FIT PLANE ESTABLISHED BY ALL 76 LEADS.

REVISIONS			
REV.	DESCRIPTION/ECN	DATE	APPROVED
	SEE SHEET 1		

Release Level		In Work	ECN	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-icc.com Title: QSFP-DD SMT 112G CONNECTOR ASSEMBLY 0.8mm PITCH, 76-PIN Product Family: QSFP-DD SMT 112G Dwg. No. P-V36-ADZ01 REV H	
Drawn	HCL-VK	2020/03/04			
Designed	J.SHOBER	2020/03/04			
Guardian	J.SHOBER	2020/03/04			
Approver					
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
		Linear	X.X ±0.25 X.XX ±0.13 X.XXX -		
Drawing Units: mm		Angular	X° ±3°		
Scale: 5:1	Dwg Size: A3	Product - Customer Drw		SHEET 8 OF 8	