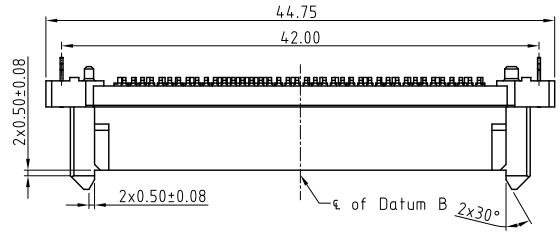
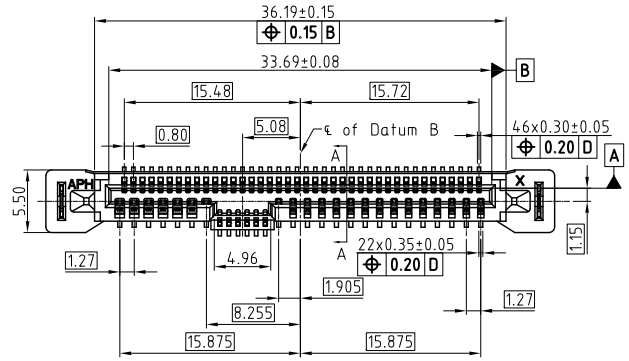
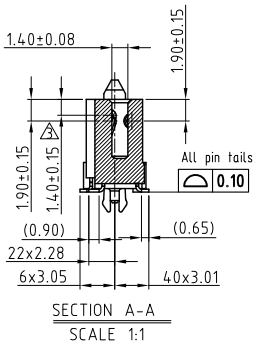
This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior concent, & that no right is granted to disclose or to use any information in this document.

CUSTOMER DRAWING

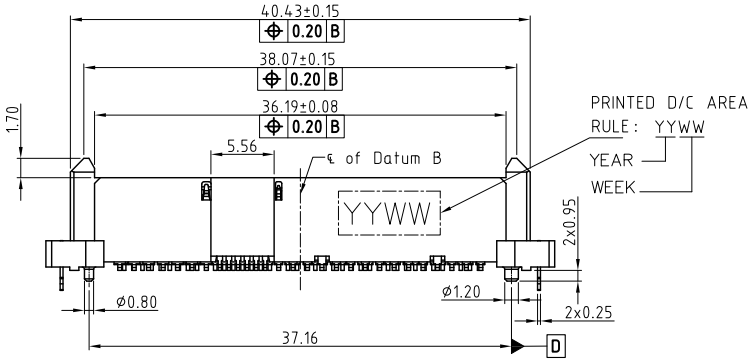
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	NA	FIRST RELEASE	08/19/19	IP
2	NA	UPDATED DRAWING	09/11/19	IP

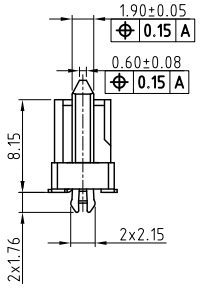






SECTION A-A
SCALE 1:1





NOTES
1. MATERIAL
   1.1 HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL94V-0, COLOR:BLACK.
   1.2 CONTACTS : PHOSPHOR BRONZE
       PLATING: REFER TO P/N SYSTEM ON MATING AREA.
       1.27um MIN NICKEL UNDER PLATED OVERALL.
       2.54um MIN PURE MATTE TIN ON SOLDER TAILS.
   1.3 SOLDER CLIPS: COPPER ALLOY
       2.54um MIN PURE MATTE TIN OVER 1.27um MIN NICKEL.
2. GENERAL SPECIFICATION
   2.1 CURRENT RATING: 1.5A/PER PIN (POWER SECTION).
   2.2 CONTACT RESISTANCE: 30mΩ MAX (INITIAL).
   2.3 INSULATOR RESISTANCE: 1000MΩ MIN.
   2.4 DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC
   2.5 OPERATION TEMPERATURE: -55°C~+105°C
3. PREMATING AT P4 & P12
4. SUPPORT PCIe GEN4 AND SAS3.0
5. DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994.
6. MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC.# S-SN-002, FOR HALOGEN FREE PRODUCTS, ALSO NEED TO MEET S-SN-004.
7. ORDER P/N SYSTEM: PSAS4F313027XXX

MATING AREA PLATING
1- 0.76um MIN Au.
2- 0.38um MIN Au.
3- Gold FLASH

PACKING STYLE
NIL- TRAY
TR- TAPE AND REEL

Amphenol Shenzhen RoHS Compliant 2011/65/EU

UNLESS OTHERWISE SPECIFIED
TOLERANCES
U.S. METRIC
.X +/- 0.50
.XX +/- 0.20
.XXX +/- 0.15
FRACTIONS +/-
ANGLES +/- 3°
FOR MATERIALS AND FINISHES SEE NOTES
REMOVE SHARP EDGES
DIMENSIONS
U.S. INCHES
(METRIC) (MM)

APPROVAL		DATE
DRAWN	Jackie.Tan	09/11/19
CHECKED	Xiang.Wang	09/11/19
CHECKED		

DRAWING FILE : Drawing\PSAS\PSAS4F313027XXX-2
ANGLE OF PROJECTION

Amphenol
Amphenol East Asia Limited

TITLE
PCIe/SAS VERTICAL SMT RECEPTACLE

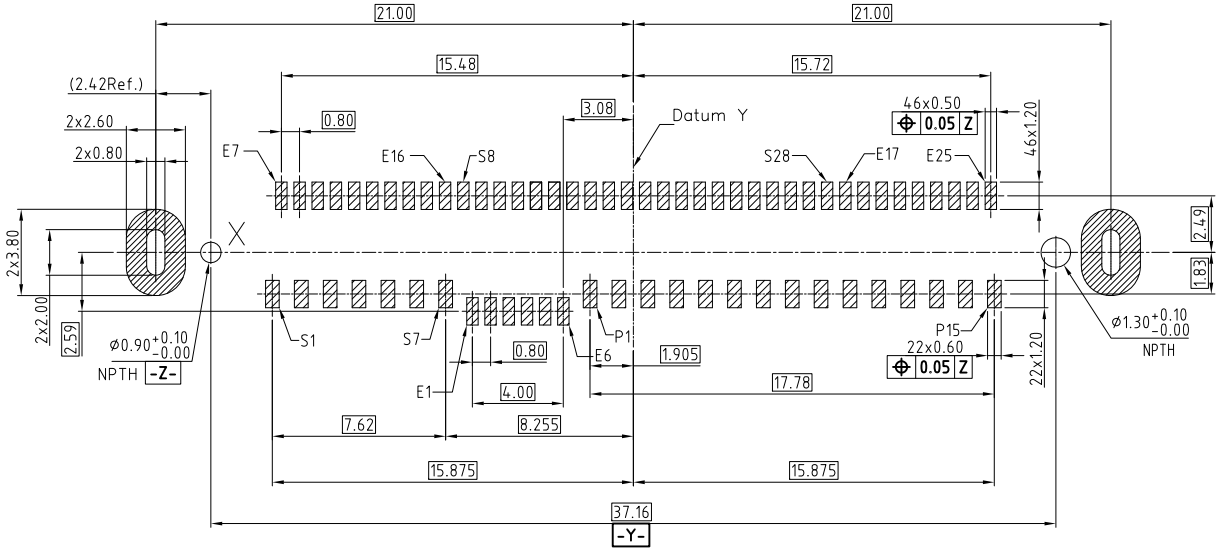
SIZE	DRAWING NO.	REV.
A3	PSAS4F313027XXX	2
SCALE	NONE	SHEET 1 OF 3

Downloaded from Arrow.com.

This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior concent, & that no right is granted to disclose or to use any information in this document.

CUSTOMER DRAWING

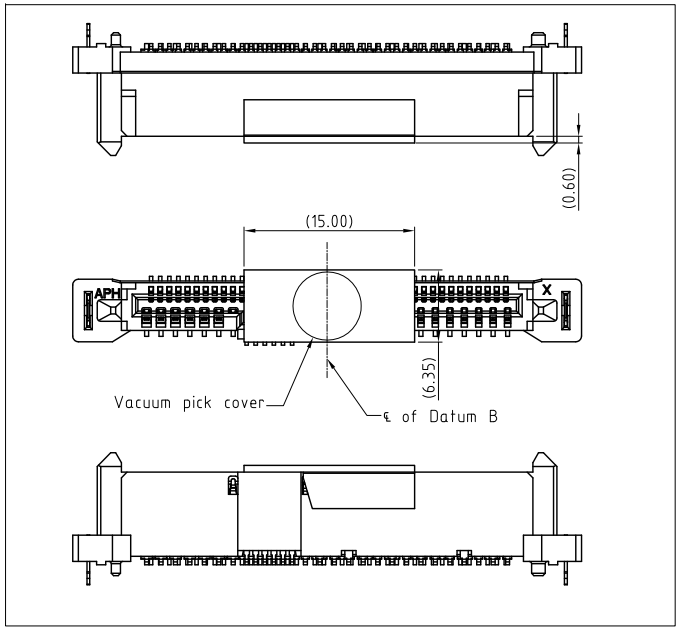
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
REFER TO SHEET 1				

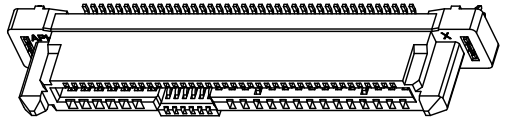


RECOMMENDED PCB LAYOUT(TOP VIEW)

GENERAL TOLERANCE ±0.05mm(PCB THICKNESS:1.60mm)

With Pick-up Cover





RoHS Compliant 2011/65/EU

UNLESS OTHERWISE SPECIFIED TOLERANCES	U.S.	METRIC
.X +/-		0.50
.XX +/-		0.20
.XXX +/-		0.15
FRACTIONS +/-		
ANGLES +/-		3°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES

DIMENSIONS U.S. (METRIC) / INCHES (MM)

APPROVAL		DATE
DRAWN	Jackie.Tan	09/11/19
CHECKED	Xiang.Wang	09/11/19
CHECKED		

DRAWING FILE : Drawing\PSAS\PSAS4F313027XXX-2

ANGLE OF PROJECTION

Amphenol

Amphenol East Asia Limited

TITLE: PCIe/SAS VERTICAL SMT RECEPTACLE

SIZE	DRAWING NO.	REV.
A3	PSAS4F313027XXX	2

SCALE NONE SHEET 2 OF 3

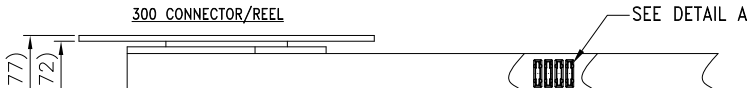
Downloaded from Arrow.com.

This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, & that no right is granted to disclose or to use any information in this document.

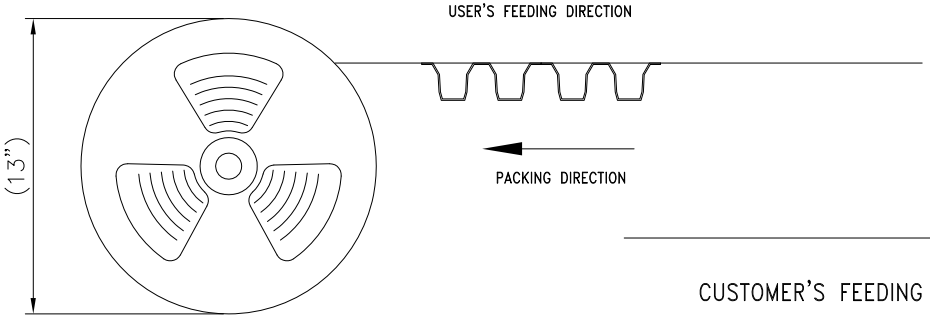
CUSTOMER DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
REFER TO SHEET 1				

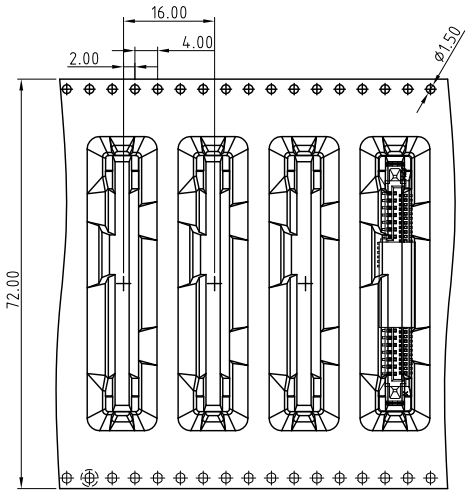


USER'S FEEDING DIRECTION

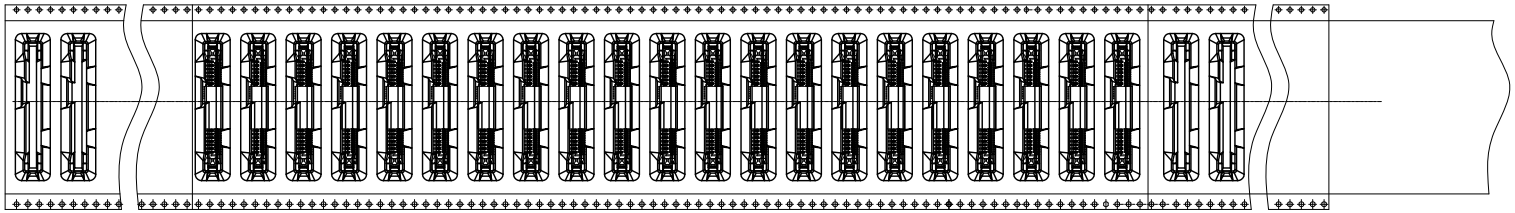


PACKING DIRECTION

CUSTOMER'S FEEDING DIRECTION



DETAIL A
SCALE 2:1



(TRAILDER)
EMPTY COMPONETS SEALED WITH
TOP COVER TAPE, 15 EMPTY PACKETS(REF)

(LEADER)
EMPTY COMPONETS SEALED WITH TOP COVER
15 EMPTY PACKETS (REF)

300 CONNECTOR CONTAINED INSIDE PACKETS



CUSTOMER'S FEEDING DIRECTION

Amphenol Shenzhen RoHS Compliant 2011/65/EU

UNLESS OTHERWISE SPECIFIED
TOLERANCES

	U.S.	METRIC
.X +/-		0.50
.XX +/-		0.25
.XXX +/-		0.20
FRACTIONS +/-		
ANGLES +/-		3°

FOR MATERIALS AND FINISHES SEE NOTES
REMOVE SHARP EDGES
DIMENSIONS U.S. (METRIC) / INCHES (MM)

	APPROVAL	DATE
DRAWN	Jackie.Tan	09/11/19
CHECKED	Xiang.Wang	09/11/19
CHECKED		

DRAWING FILE : Drawing\PSAS\PSAS4F313027XXX-2

ANGLE OF PROJECTION

Amphenol

Amphenol East Asia Limited

TITLE: PCIe/SAS VERTICAL SMT RECEPTACLE

SIZE	DRAWING NO.	REV.
A3	PSAS4F313027XXX	2
SCALE	NONE	SHEET 3 OF 3

Downloaded from Arrow.com.