

REFERENCE SPECIFICATIONS:

- NFC 93425 (in compliance with HE 507)
- T-RISE AS PER UL 1977

PHYSICAL CHARACTERISTICS:

- INSULATOR MATERIAL : THERMOPLASTIC, UL 94V0
- CONTACT MATERIAL : TELLURIUM COPPER
- ACCESSORIES : BRASS
- SHELL : STEEL

ELECTRICAL CHARACTERISTICS:

- RATED CURRENT : 75A
TEMEPERATURE RISE TEST AS PER UL 1977 SPECIFICATION (MAXIMUM T-RISE AT RATED CURRENT IS BELOW RTI VALUE OF INSULATOR RESIN (130°C))
- CONTACT RESISTANCE : <= 7.3mΩ
- DWV (CONTACT/CONTACT) : >= 1000V
- DWV (CONTACT/SHELL) : >= 1200V
- INSULATION RESISTANCE : >=5000MΩ

MECHANICAL CHARACTERISTICS:

- RETENTION AGAINST TORQUE :
 - Threaded insert : 0.7Nm Max
 - Female screw lock : 0.5 Nm Max

NOTE RoHS INFORMATION

- The "LF" products meet european union Directives and other country regulations as described in GS-47-0004.
- The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board. See application notes/procedures if they are available.
- Termination plating spec:
 - Silver over Nickel
- Active area plating spec:
 - Silver over Nickel
- Shell plating :Nickel plating
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920

Series

Shell size: **E A B C**
(see sheet 3)

Front accessory definition
(see sheet 2)

- blank**: without accessory
- L** : threaded insert M3
- O** : threaded insert UNC 4-40
- V** : female screw UNC 4-40

Layout of contacts (see sheet 3)

Contacts
P Pin

Termination type
5 Right angle/Europe standard

Plating
00 500 matings/unmatings

PCB accessories definition(see sheet 2)

- A** : without accessory
- H** : Metal brackets+harpoons for PCB 2.40mm
- G** : Metal brackets+harpoons for PCB 1.60mm
- M** : Metal brackets

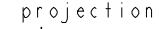
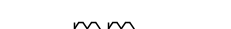
Power contacts
9K : Fitted with power contacts 75 Amp.

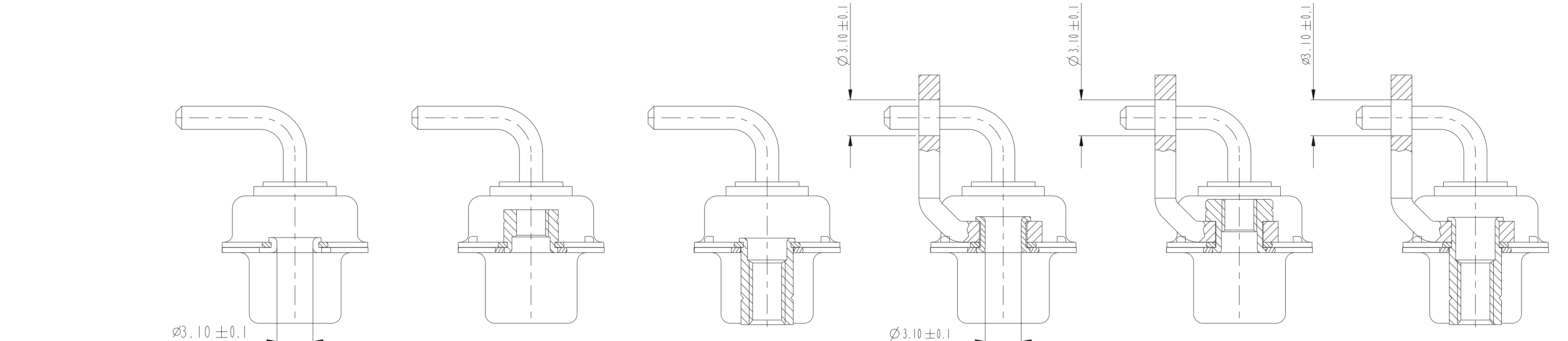
DBL5W5P500G9KLF

See note RoHS

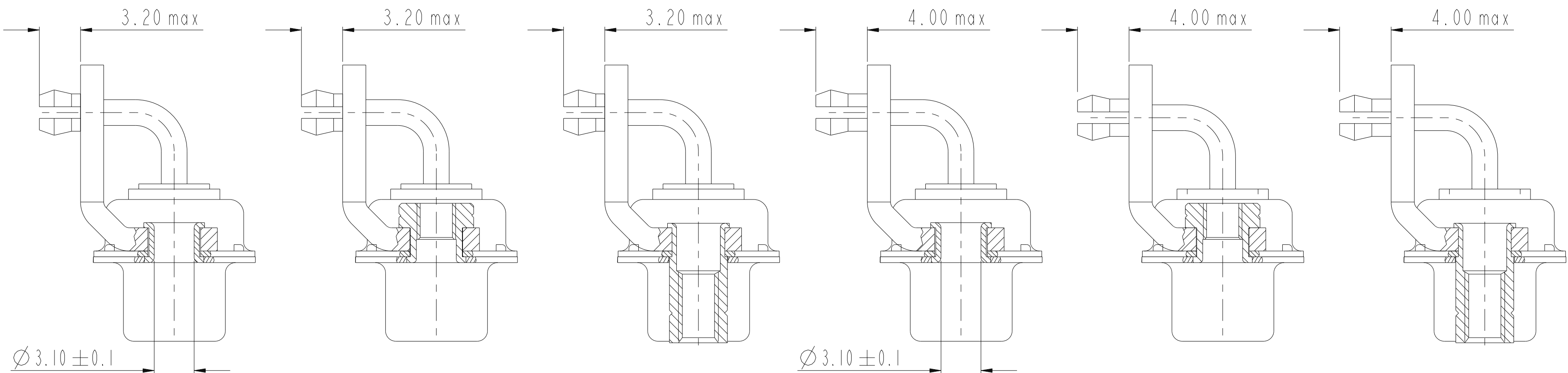
CONTACT AND PCB DETAILS

POWER CONTACT			ACCESSORIES
75 A	Ø2.80±0.10	Ø3.10	Ø3.10
MAX CURRENT	CONTACT DIA	PCB HOLE ±0.10	PCB HOLE ±0.10

spec ref		dr		Arun C-John	2023/06/23			size	A2	scale	2:1
tolerance std		eng		Gregar Mathew	2023/06/23			ecn no			
ISO 406		chr		-	-			rel level			
ISO 1101		appr		Alex Babu	2023/06/23			Released			
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		title FULL POWER RIGHT ANGLE HIGH CURRENT D-SUB MALE		dwg no 10165032		rev A			
surface		linear	0.X	±0.3							
			0.XX	±0.10							
			0.XXX	±							
		angular	0°	±1°							
				cat. no.	-	Product - Customer Drw				sheet 1 of 5	

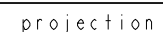


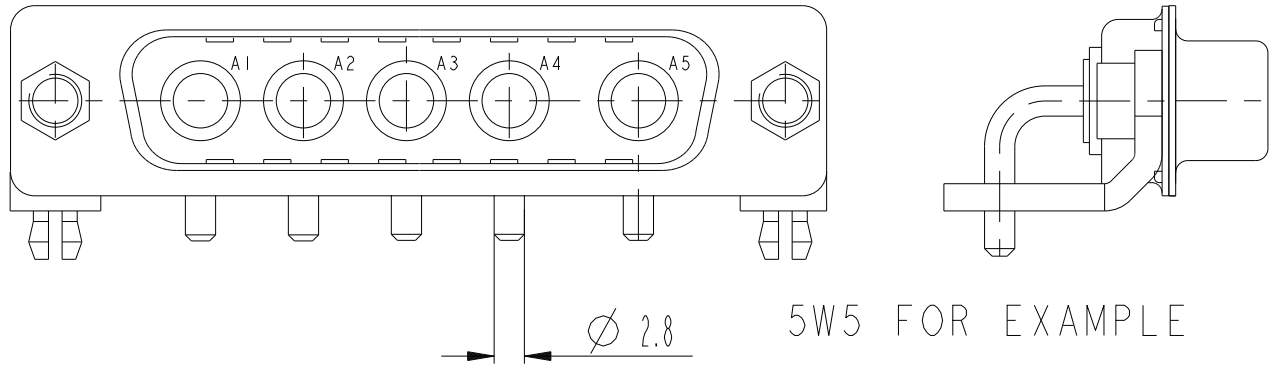
FRONT ACCESSORY	Blank Without	L insert M3 O insert UNC 4.40	V insert UNC 4.40	Blank Without	L insert M3 O insert UNC 4.40	V insert UNC 4.40
PCB ACCESSORIES	A Without	A Without	A Without	M Metal brackets	M Metal brackets	M Metal bracket



FRONT ACCESSORY	Blank Without	L insert M3 O insert UNC 4.40	V insert UNC 4.40	Blank Without	L insert M3 O insert UNC 4.40	V insert UNC 4.40
PCB ACCESSORIES	G Metal brackets + harpoons for PCB 1.60mm	G Metal brackets + harpoons for PCB 1.60mm	G Metal brackets + harpoons for PCB 1.60mm	H Metal brackets + harpoons for PCB 2.40mm	H Metal brackets + harpoons for PCB 2.40mm	H Metal brackets + harpoons for PCB 2.40mm

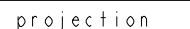
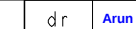
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spec ref		dr		Arun C-John	2023/06/23			size	A2	scale	2:1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Gregar Mathew	2023/06/23			ecn no							
			chr	-	-			rel level							
			appr	Alex Babu	2023/06/23			Released							
ISO 406 ISO 1101		product family													
surface	linear	0.X	±0.3		title			FULL POWER RIGHT ANGLE HIGH CURRENT D-SUB MALE			cat. no.	-	Product - Customer Drw		sheet 2 of 5
		0.XX	±0.10												
		0.XXX	±												
	angular	0°	±1°												
PDS: Rev :A		STATUS:Released		Printed: Jun 23, 2023											



SHELL SIZE	LAYOUT xWx
E	2V2
A	3V3
A	3W3
B	5W5
C	8W8

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxP500A9KLF	75	500	without	without
D*LxWxP500A9KLF	75	500	insert M3	without
D*OxWxP500A9KLF	75	500	insert UNC 4.40	without
D*VxWxP500A9KLF	75	500	female screw UNC 4.40	without
D*xWxP500H9KLF	75	500	without	metal bracket+harpoon PCB 2.40mm
D*LxWxP500H9KLF	75	500	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxP500H9KLF	75	500	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxP500H9KLF	75	500	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxP500G9KLF	75	500	without	metal bracket+harpoon PCB 1.60mm
D*LxWxP500G9KLF	75	500	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxP500G9KLF	75	500	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxP500G9KLF	75	500	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxP500M9KLF	75	500	without	metal bracket
D*LxWxP500M9KLF	75	500	insert M3	metal bracket
D*OxWxP500M9KLF	75	500	insert UNC 4.40	metal bracket
D*VxWxP500M9KLF	75	500	female screw UNC 4.40	metal bracket

spec ref				dr		Arun C-John		2023/06/23						size		A2		scale		2:1			
tolerance std				eng		Gregar Mathew		2023/06/23				mm		ecn no		rel level							
ISO 406				chr		-		-						-		Released							
ISO 1101				appr		Alex Babu		2023/06/23						product family		-							
surface		-		linear		0.X		±0.3				title		FULL POWER RIGHT ANGLE		dwg no		10165032		rev		A	
				0.XX		±0.10																	
				0.XXX		±																	
		angular		0°		±1°				cat. no.		-		Product - Customer Drw		sheet 3 of 5							

A

B

C

D

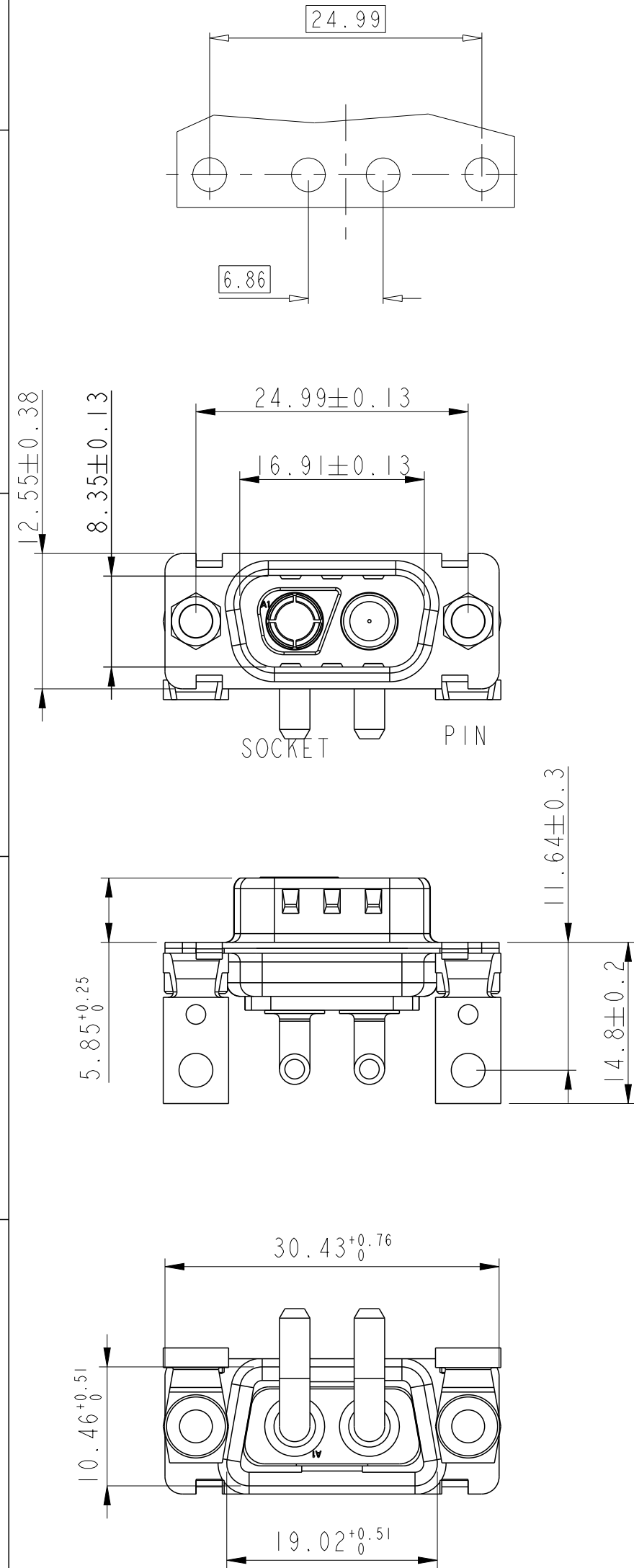
E

F

2V2

LAYOUT AND CONNECTOR DIMENSIONS

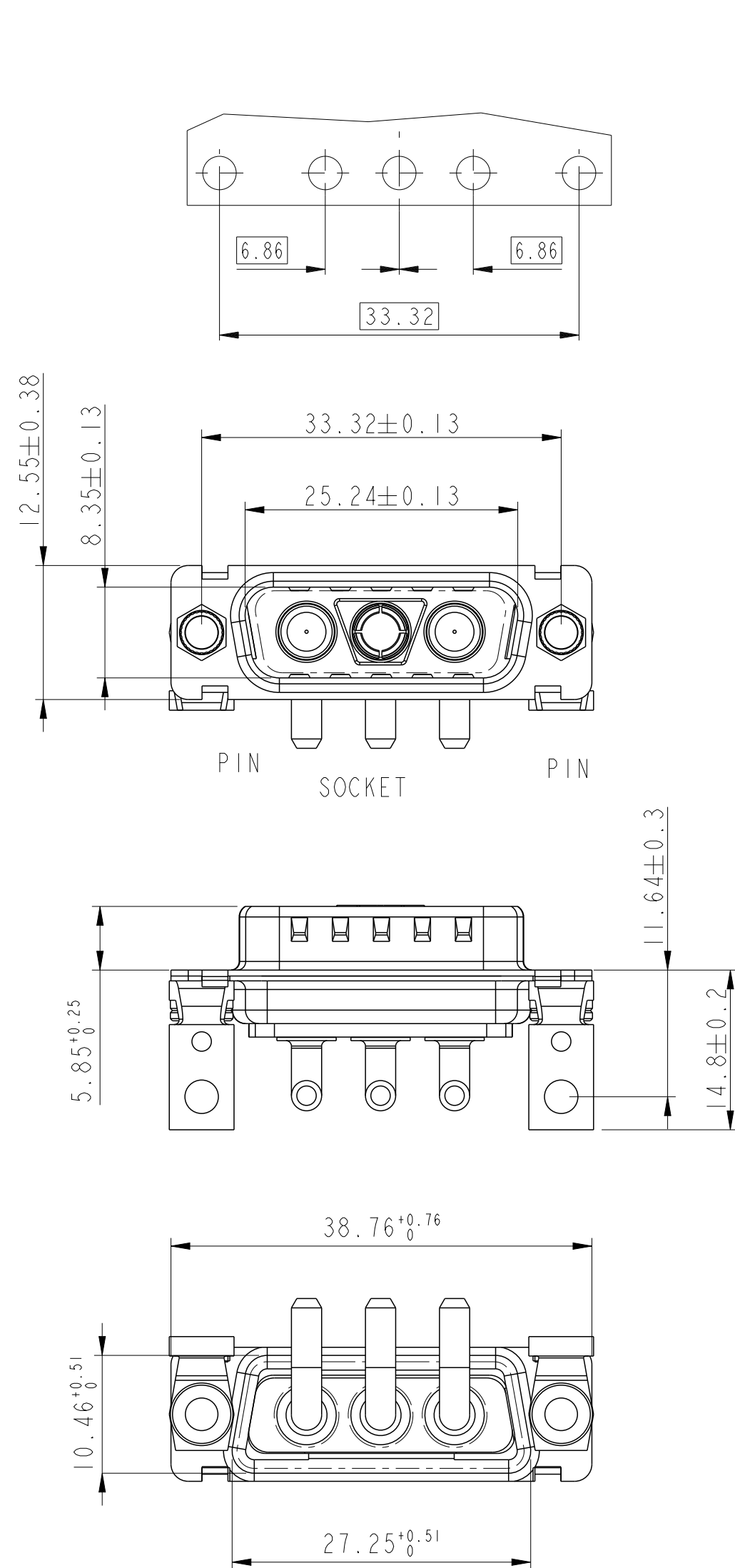
For PCB hole diameters see table I sheet I



3V3

LAYOUT AND CONNECTOR DIMENSIONS

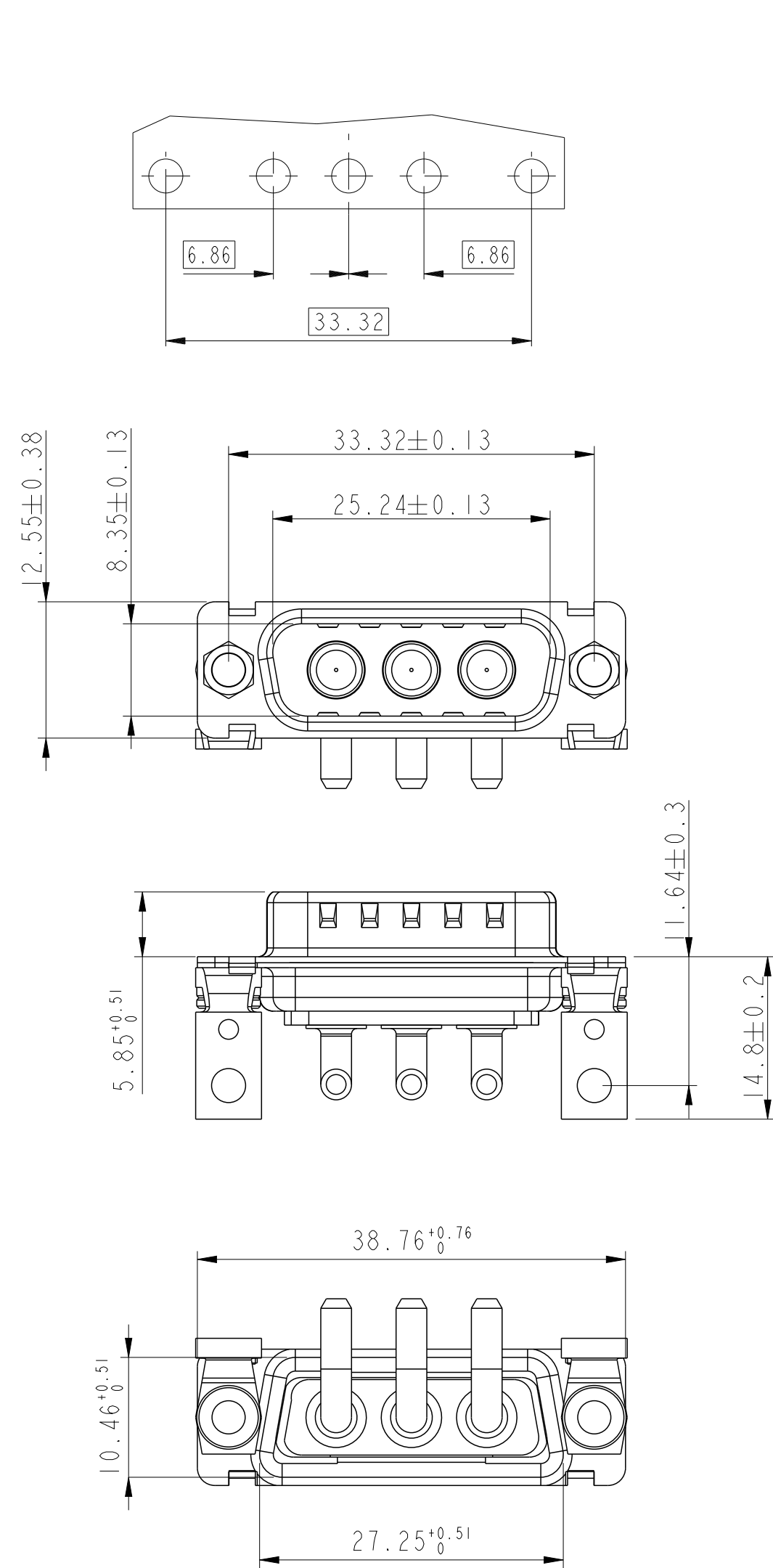
For PCB hole diameters see table I sheet I



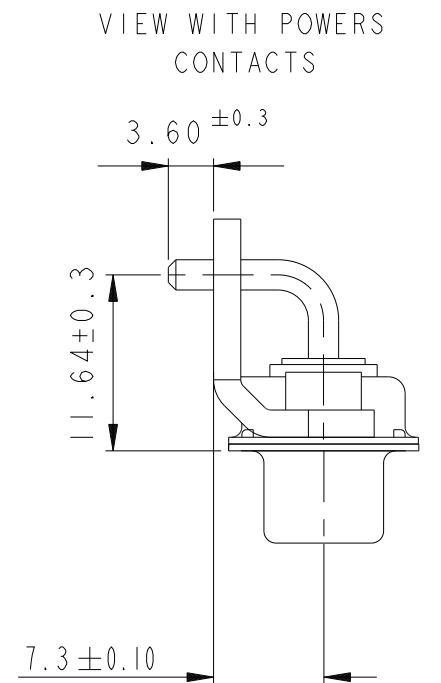
3W3

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table I sheet I



SIDE VIEW FOR ALL LAYOUTS



spec ref			dr		Arun C-John		2023/06/23		projection 		size		A2		scale		2:1					
tolerance std			eng		Gregar Mathew		2023/06/23				ecn no											
ISO 406			chr		-		-		product family		-		rel level		Released							
ISO 1101			appr		Alex Babu		2023/06/23															
surface - 			linear		0.X		±0.3		Amphenol FCi		title		FULL POWER RIGHT ANGLE		dwg no		10165032		rev		A	
																	</					

5W5

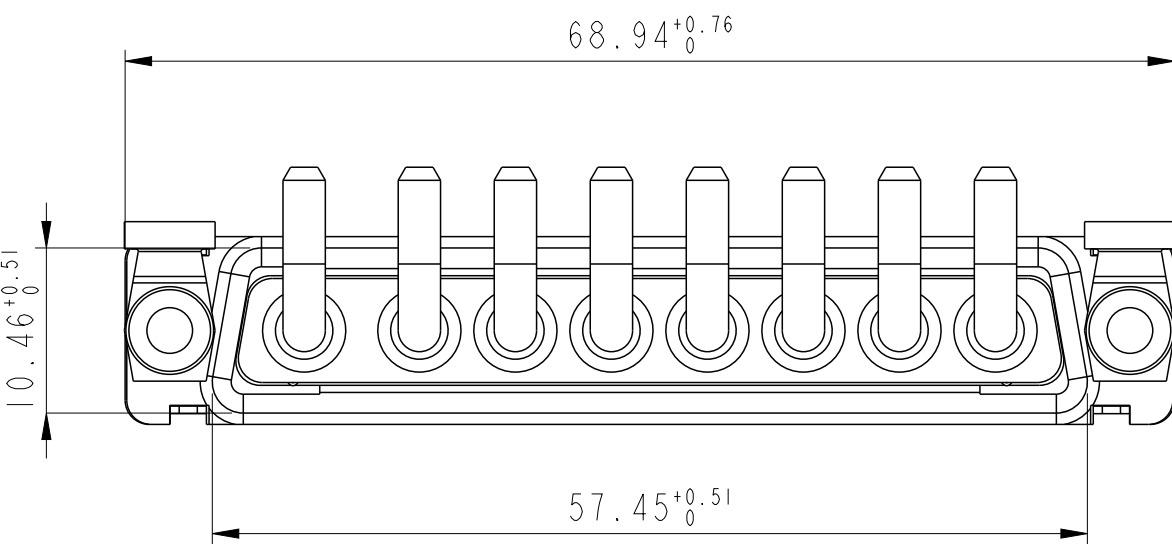
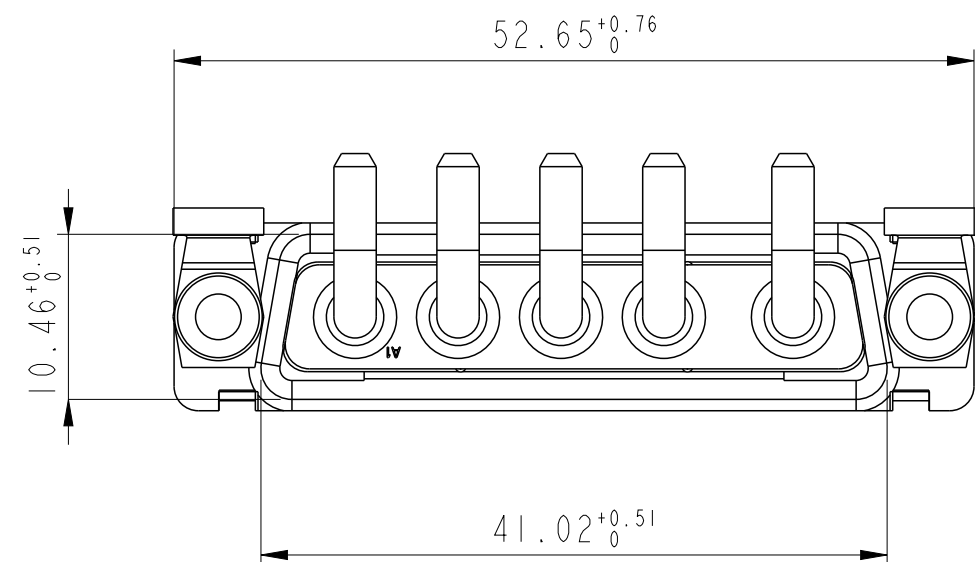
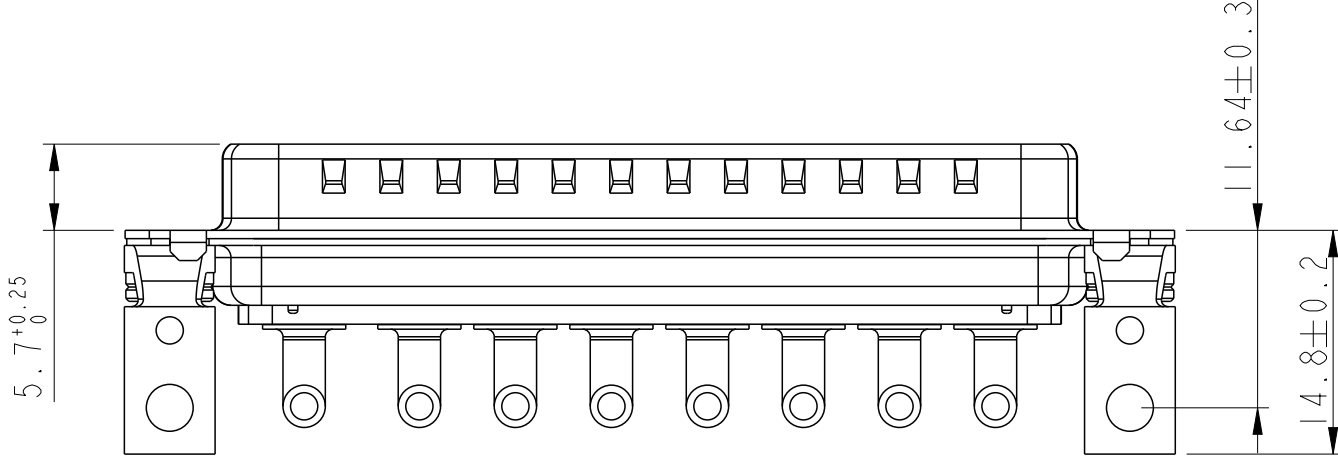
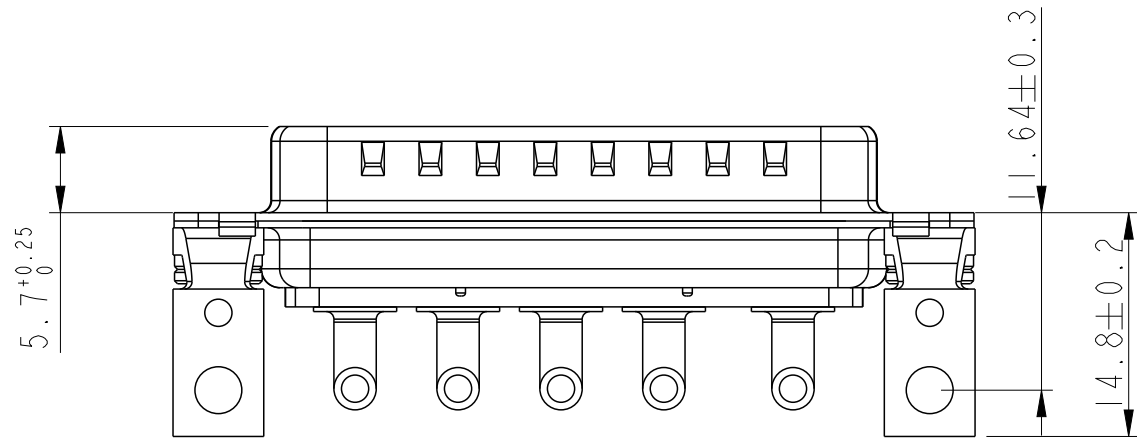
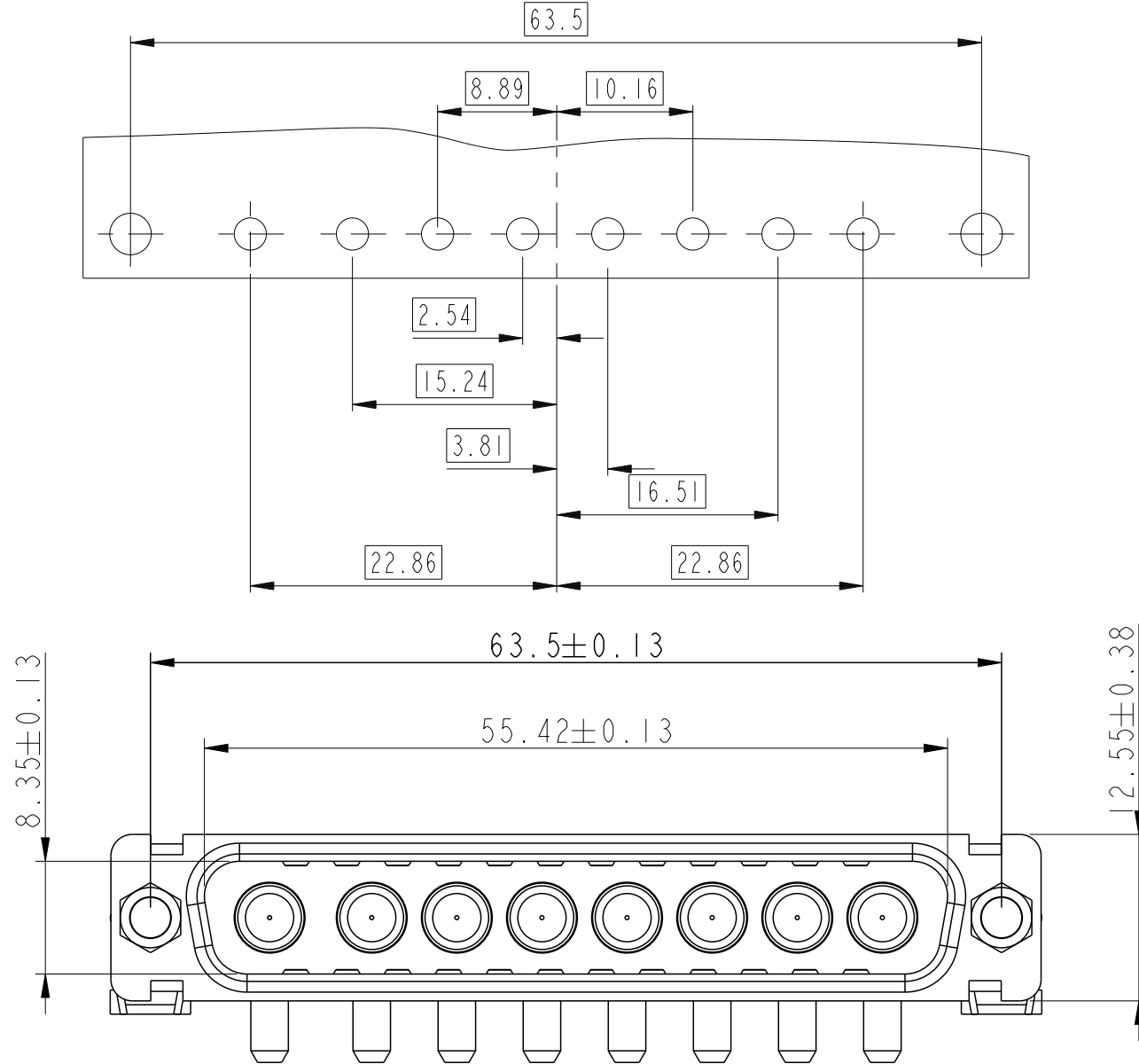
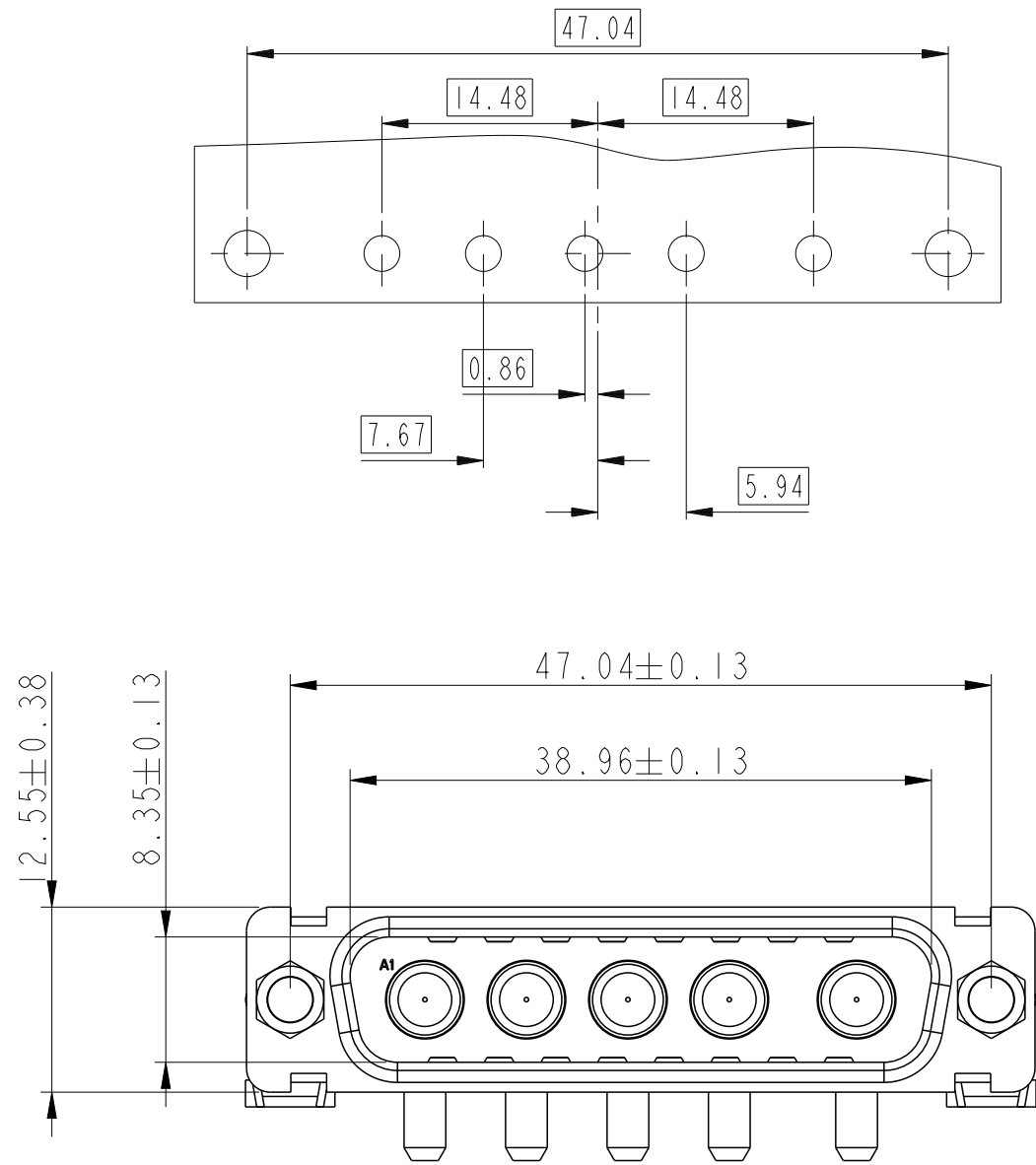
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table I sheet I

8W8

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table I sheet I



spec ref	dr	Arun C-John	2023/06/23	projection	mm	size	A2	scale	2:1
tolerance std	eng	Gregar Mathew	2023/06/23	chr	-	ecn no			
ISO 406	chr	-		appr	Alex Babu	2023/06/23	product family	-	rel level
ISO 1101	appr	Alex Babu	2023/06/23	product family	-	rel level	Released		
surface	linear	0.X	±0.3	Amphenol FCi	title	FULL POWER RIGHT ANGLE	dwg no	10165032	rev
✓	0.XX	±0.10				HIGH CURRENT D-SUB MALE			A
0.XXX	±-								
angular	0°	±1°			cat. no.	-	Product - Customer Drw	sheet 5 of 5	