

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC UL94V0
-CONTACT MATERIAL: PHOSPHOR BRONZE

-ACCESSORIES: BRASS
-SHELLS: STEEL

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 7.5A
-CONTACT RESISTANCE: <= 7.3 m ohms
-CONTACT/CONTACT : >=1000 V
-CONTACT/GROUND : >=1200 V
-INSULATION RESISTANCE: >=5000 MOhms

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/125/21
TEMPERATURE RANGE -55°C TO +125°C
DAMP HEAT STEADY STATE 21 DAYS
SALT SPRAY 24 HOURS

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m Maximum
- Female screw : 0.5 N.m Maximum

NOTE RoHS INFORMATION

- The "LF" products meet european union Directives and other country regulations as described in GS-47-0004.
- Termination plating spec:
Ni + Gold/GxT
- Active area plating spec:
Ni + Gold/GxT
- Shell plating :2 to 4µm Cu + Nickel + 3 to 10µmm Sn,pure bright
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920

Series

DBL13W3S043A00LF

Shell size: E A B C D
see sheet 2

Front accessory definition
see sheet 2

Blank :without accessory
L :threaded insert M3
O :threaded insert UNC 4-40

Layout of contacts (see sheet 3)

Contacts

S :Socket

Plating

Blank signal solder bucket 200 matings/unmatings
043 signal solder bucket 500 matings/unmatings

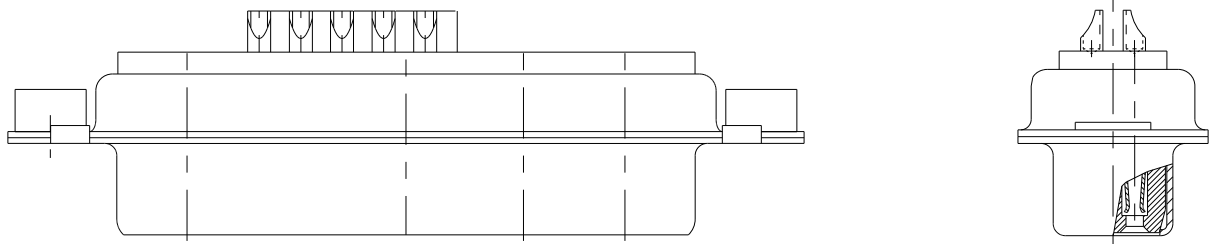
PCB accessory definition

A witout accessory on PCB

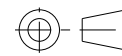
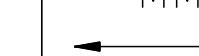
Power contacts

00 without power contact

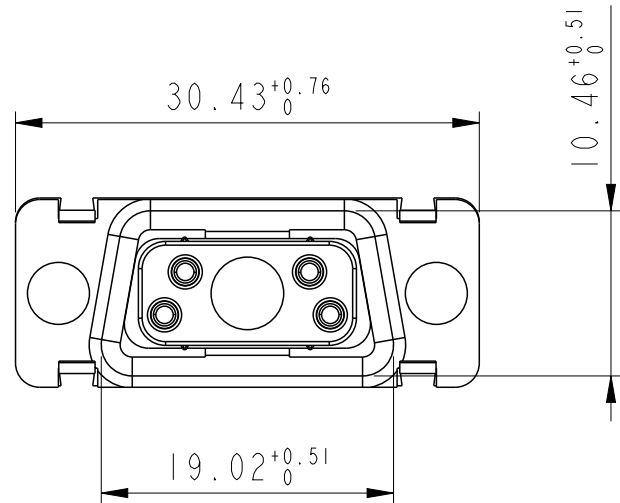
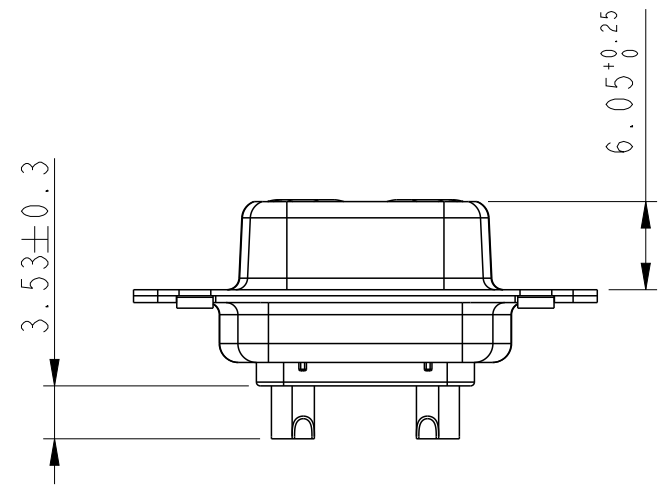
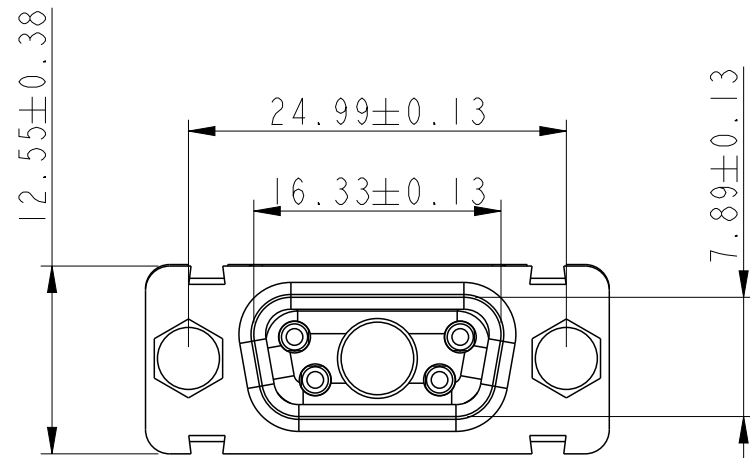
See note RoHS



13W3 FOR EXAMPLE

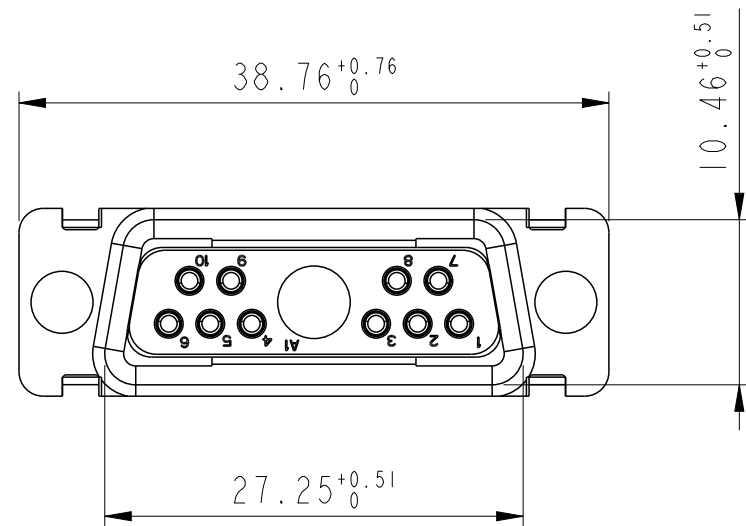
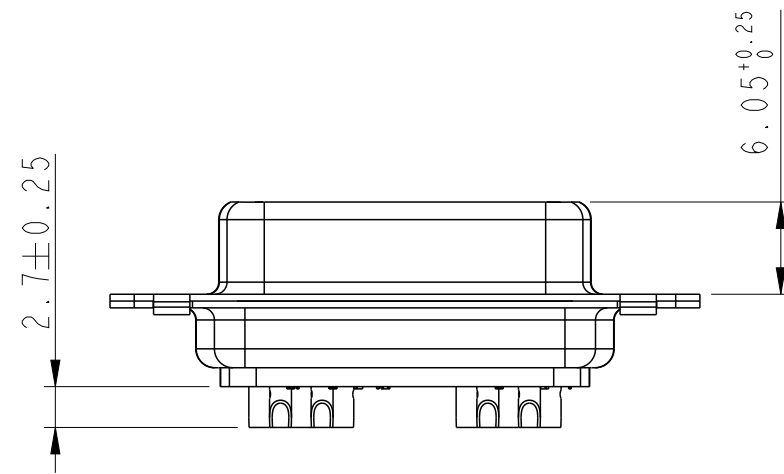
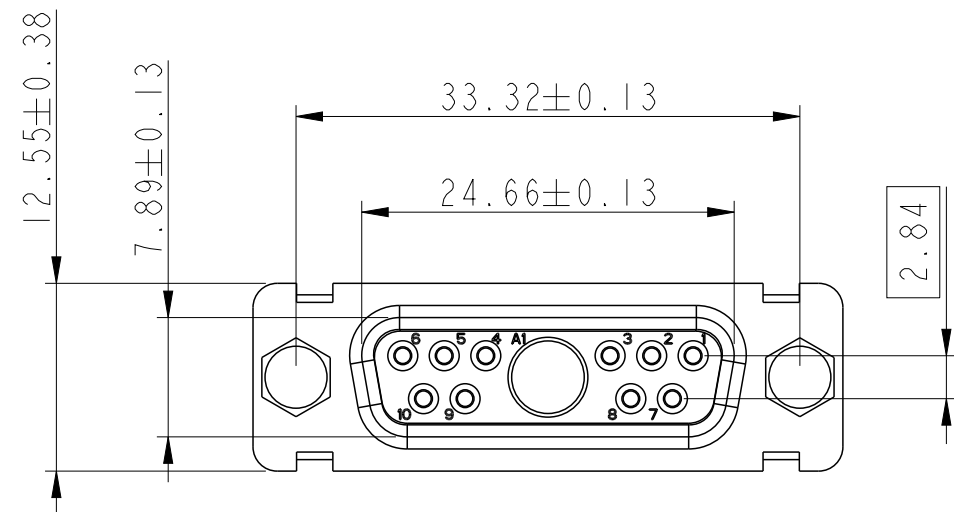
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tolerance std		eng		Gregar Mathew		2019/11/11						ecn no		ELX-133002-1							
ISO 4061ISO 1100		chr		-		-		product family				D SUB -		rel level		Released					
ISO 1101ISO 408		appr		Varma Sudhir		2019/11/12															
surface		linear		0.X		±0.30.30		Amphenol FCi		title		SUB FEMALE DW		dwg no		C01-8639-2303		rev		E	
ISO 1302		0.XXX		±0.1		MIXED POWER + SOLDER BUCKET															
		0.XXX		±0.05																	
		angular		0°		±22°		cat. no.		-		Product - Customer Drw				sheet 1 of 7					

5W1

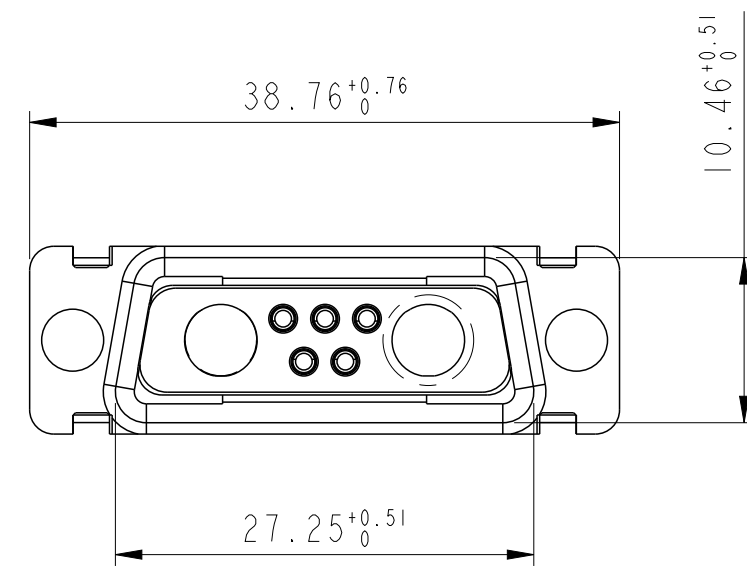
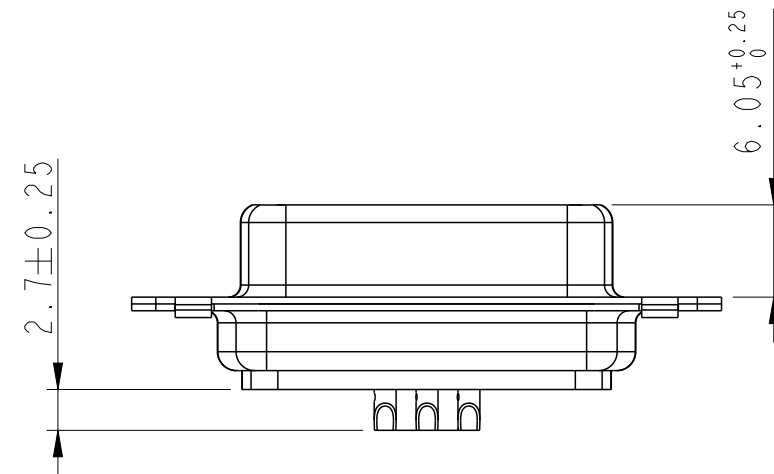
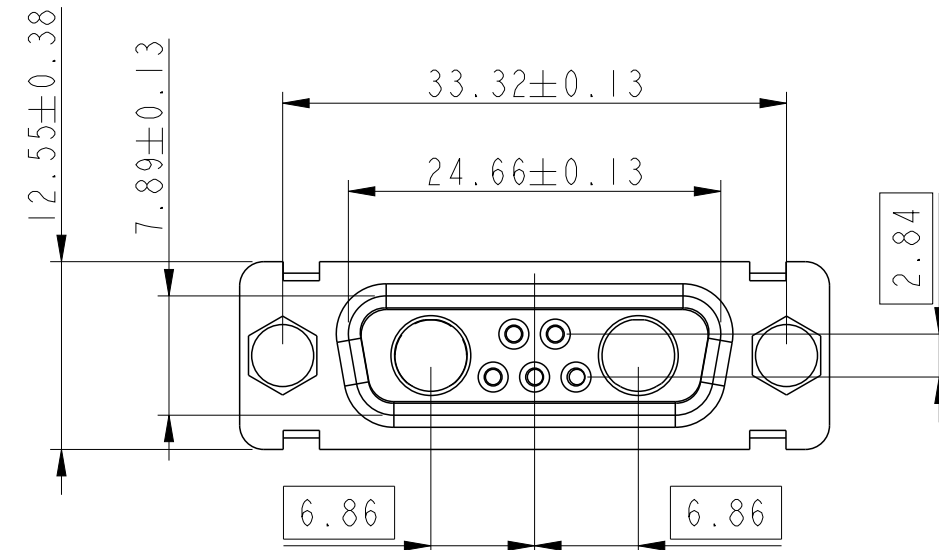


Floating signal contacts

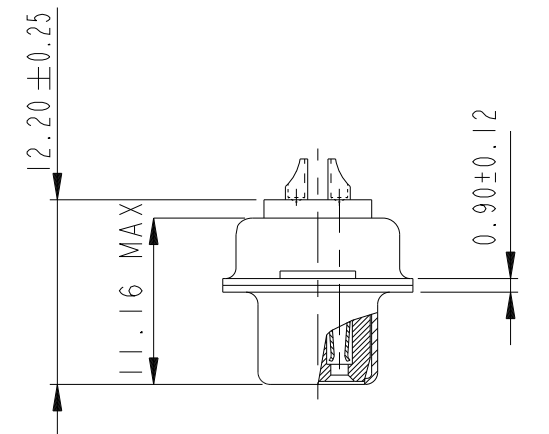
11W1



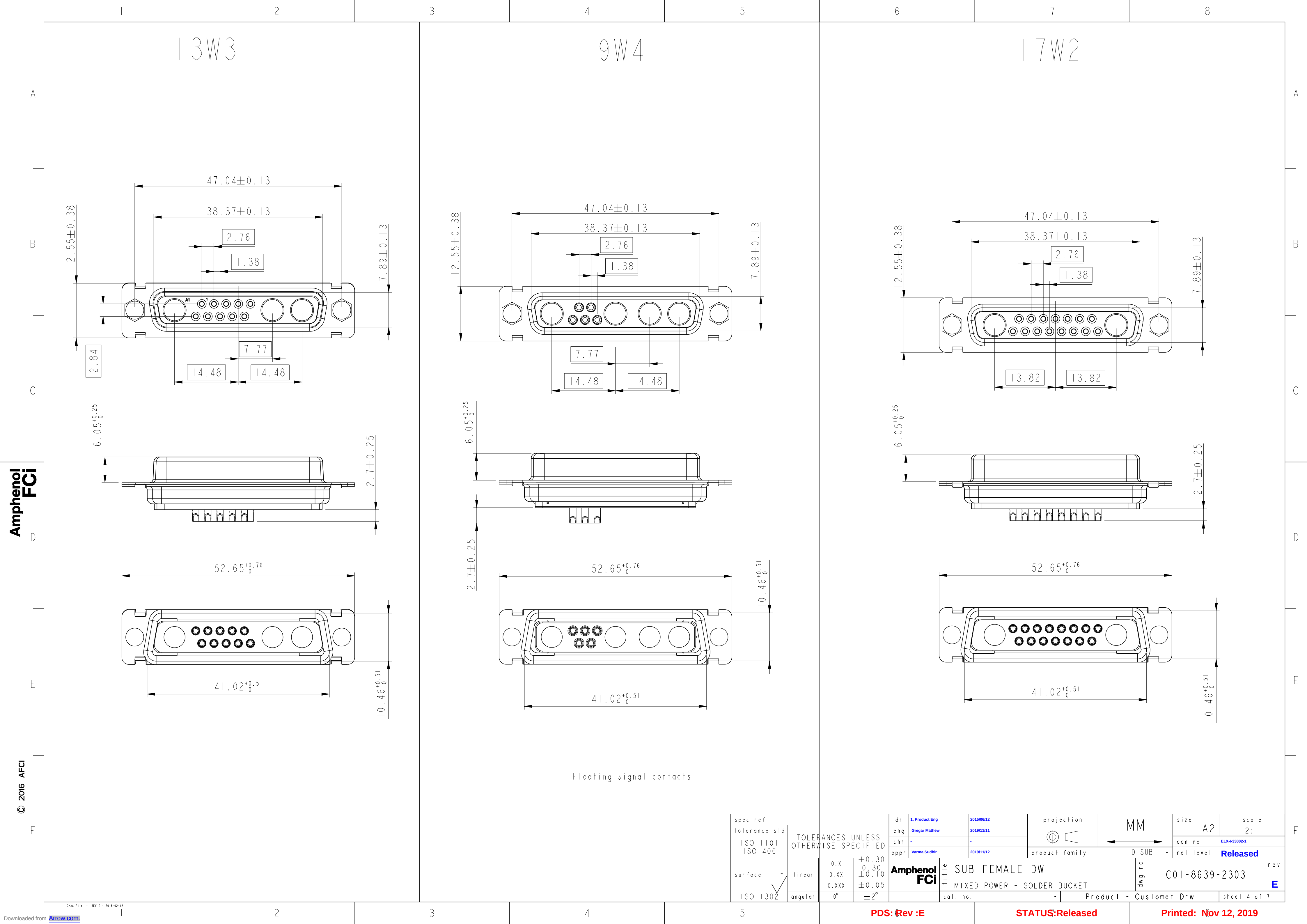
7W2



SIDE VIEW FOR
LAYOUTS: E A B C



spec ref			dr		1, Product Eng		2015/06/12		projection		MM		size		A2		scale		2:1	
tolerance std			eng		Gregar Mathew		2019/11/11						ecn no		ELX-133002-1					
ISO 1101 ISO 406			chr		-		-						rel level		Released					
			appr		Varma Sudhir		2019/11/12		product family		D SUB -									
surface ISO 1302			linear		0.X ±0.30 0.XX ±0.10 0.XXX ±0.05		Amphenol FCi		title		SUB FEMALE DW MIXED POWER + SOLDER BUCKET		dwg no		C01-8639-2303		rev		E	
									cat. no.		-		Product - Customer Drw		sheet 3 of 7					

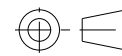


13W3

9W4

17W2

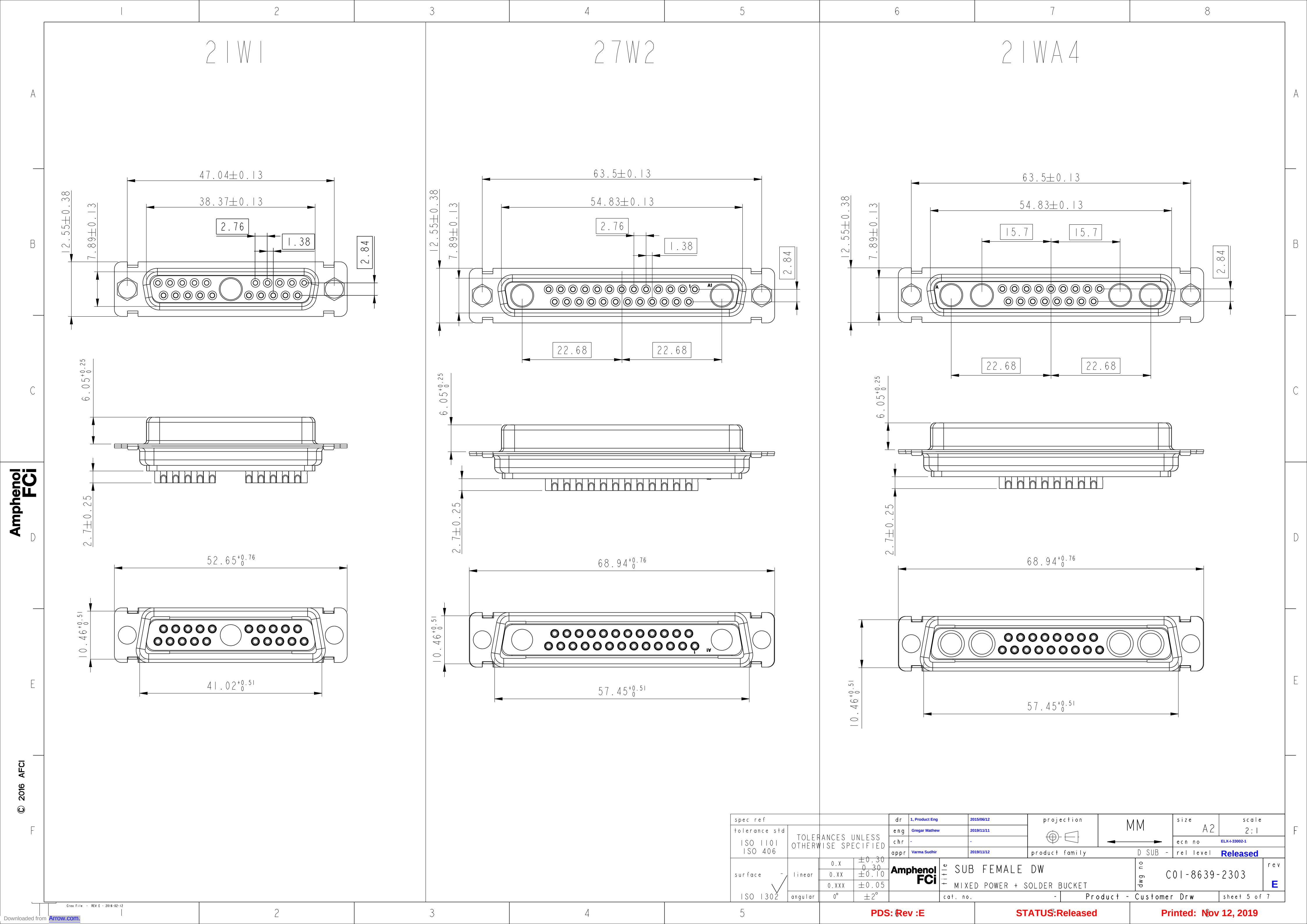
Floating signal contacts

spec ref				dr	1, Product Eng		2015/06/12		projection 	MM 	size	A2	scale	2:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Gregar Mathew		2019/11/11				ecn no	ELX-133002-1				
ISO 1101 ISO 406				chr	-		-									
				appr	Varma Sudhir		2019/11/12		product family		D SUB		rel level	Released		
surface -  ISO 1302	linear	0.X	±0.30	Amphenol FCI	title					SUB FEMALE DW		dwg no	C01-8639-2303		rev	E
		0.XX	±0.10													
		0.XXX	±0.05		MIXED POWER + SOLDER BUCKET											
	angular	0°	±2°													
				cat. no.		-		Product - Customer Drw				sheet 4 of 7				

PDS: Rev :E

STATUS:Released

Printed: Nov 12, 2019



21W1

27W2

21WA4

Amphenol
FCi

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spec ref				dr		1, Product Eng		2015/06/12		projection		MM		size		A2		scale		2:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Gregar Mathew		2019/11/11						ecn no		ELX-I-33902-1													
ISO 1101				chr		-		-																					
ISO 406				appr		Varma Sudhir		2019/11/12														product family		D SUB -		rel level		Released	
surface		linear		0.X ±0.30 0.XX ±0.10 0.XXX ±0.05		Amphenol FCi		title		SUB FEMALE DW MIXED POWER + SOLDER BUCKET		dwg no		C01-8639-2303		rev		E											
ISO 1302		angular		0° ±2°		cat. no.		-		Product - Customer Drw				sheet 5 of 7															

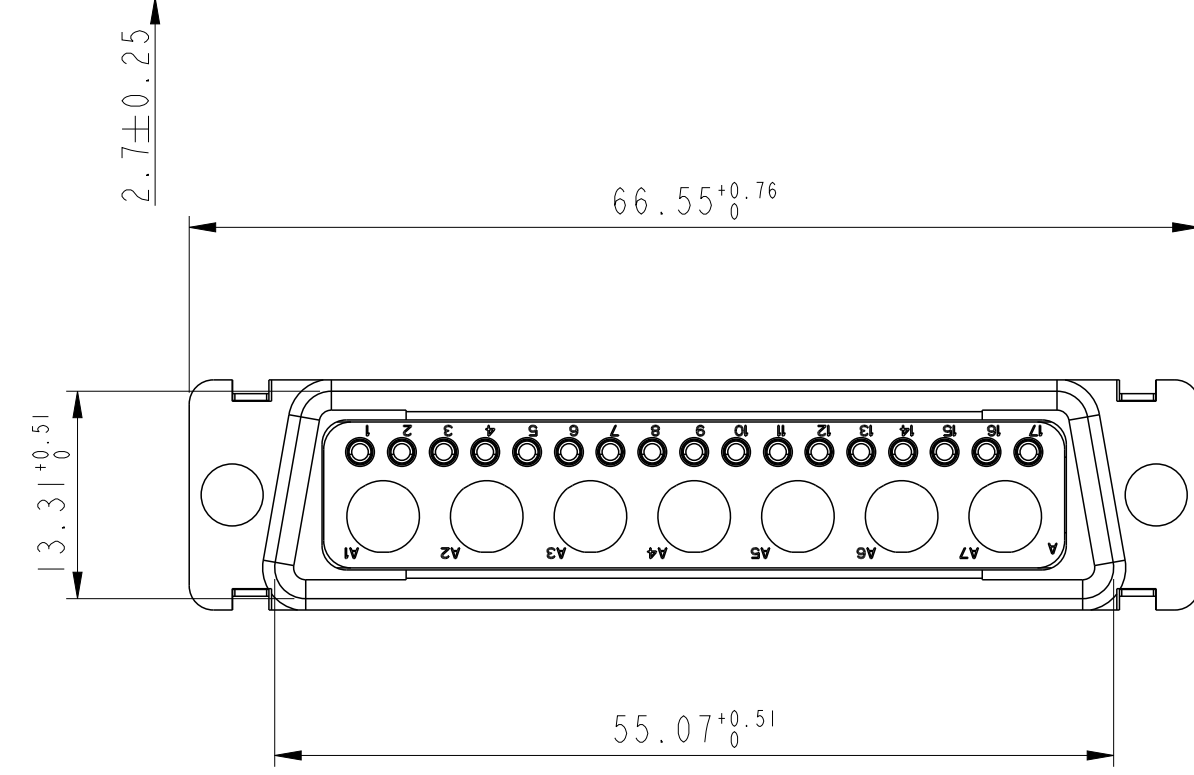
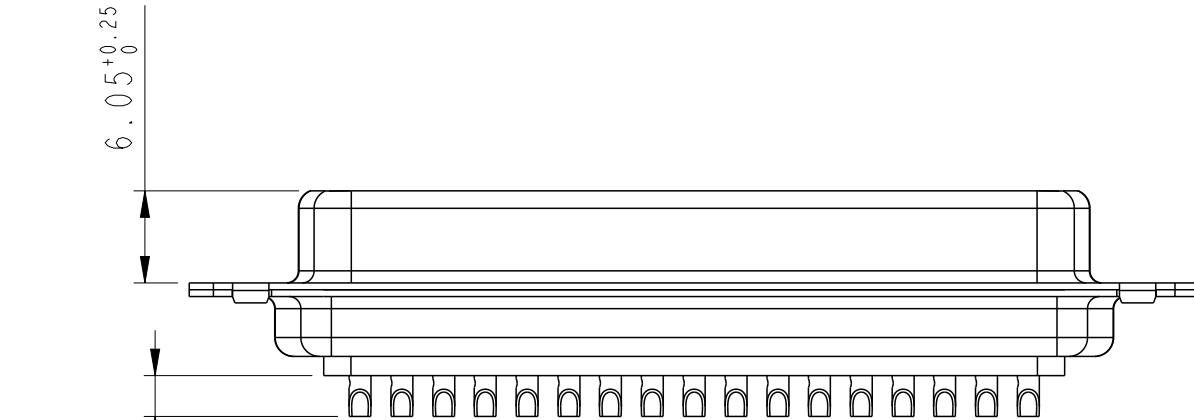
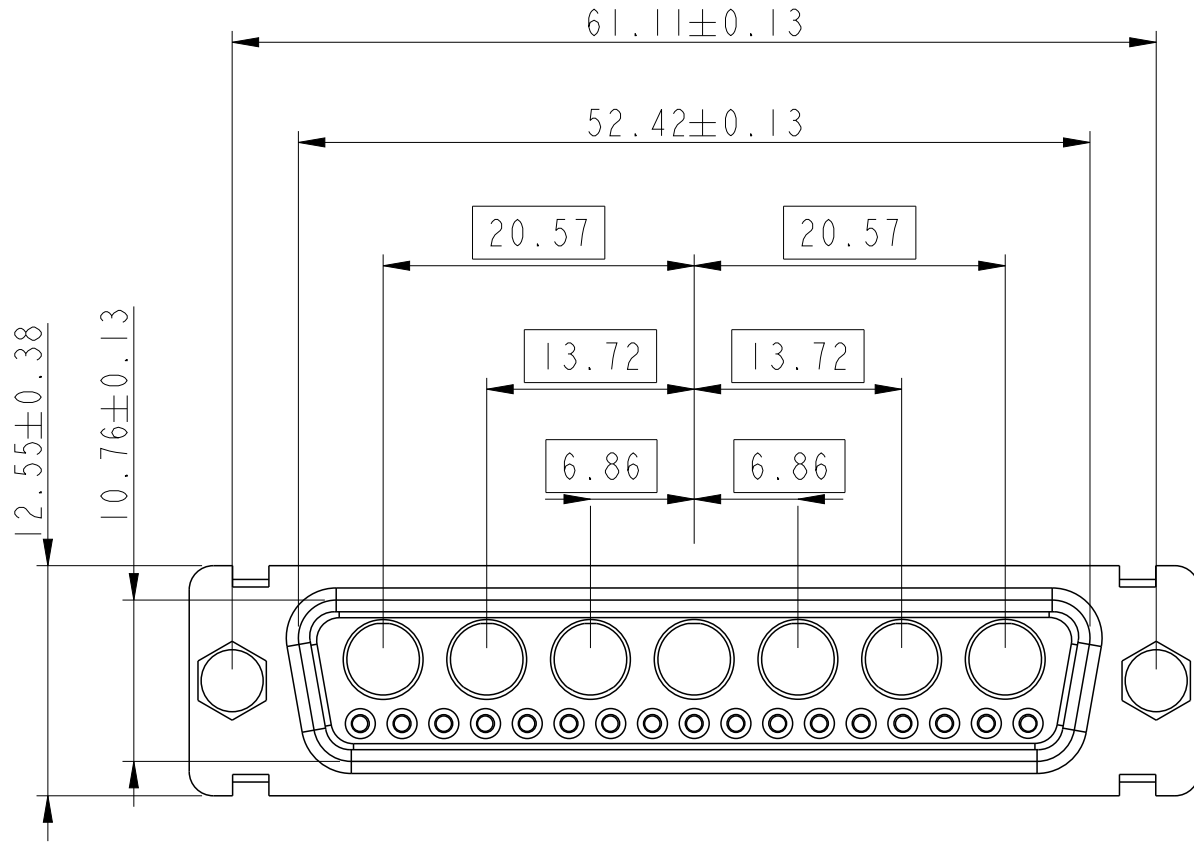
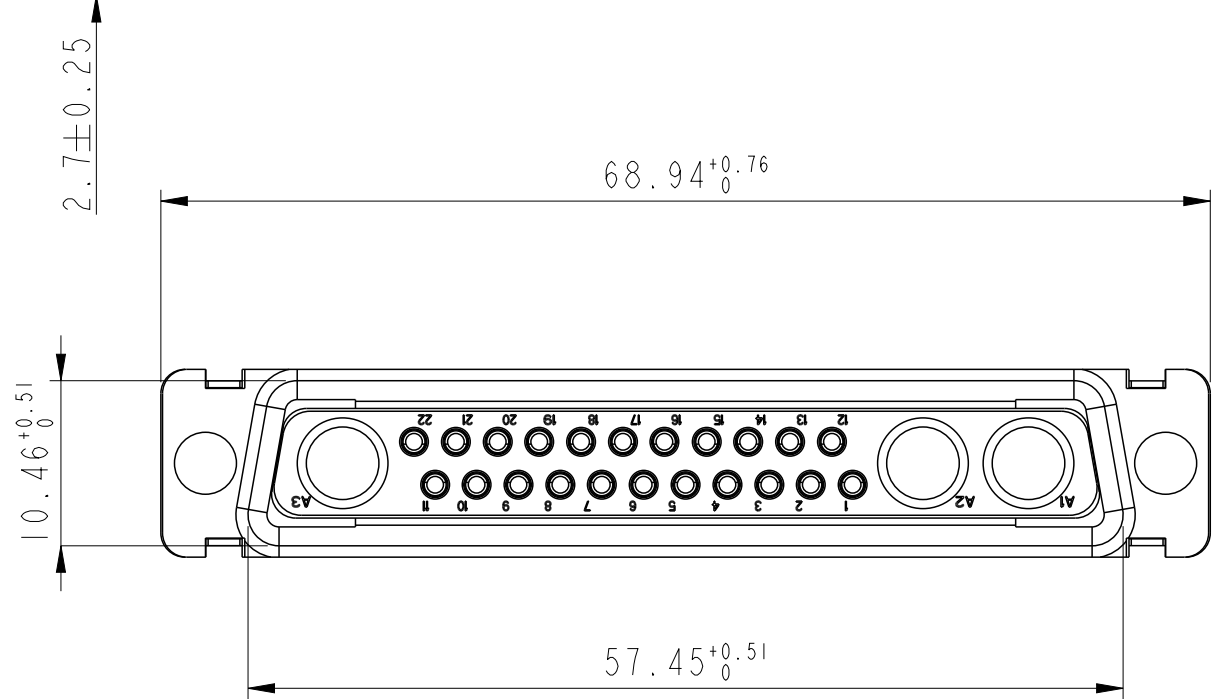
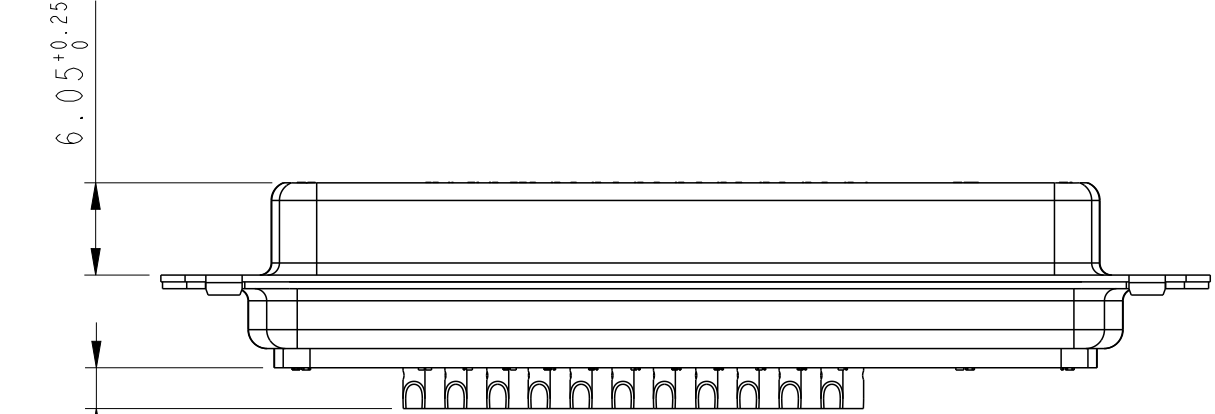
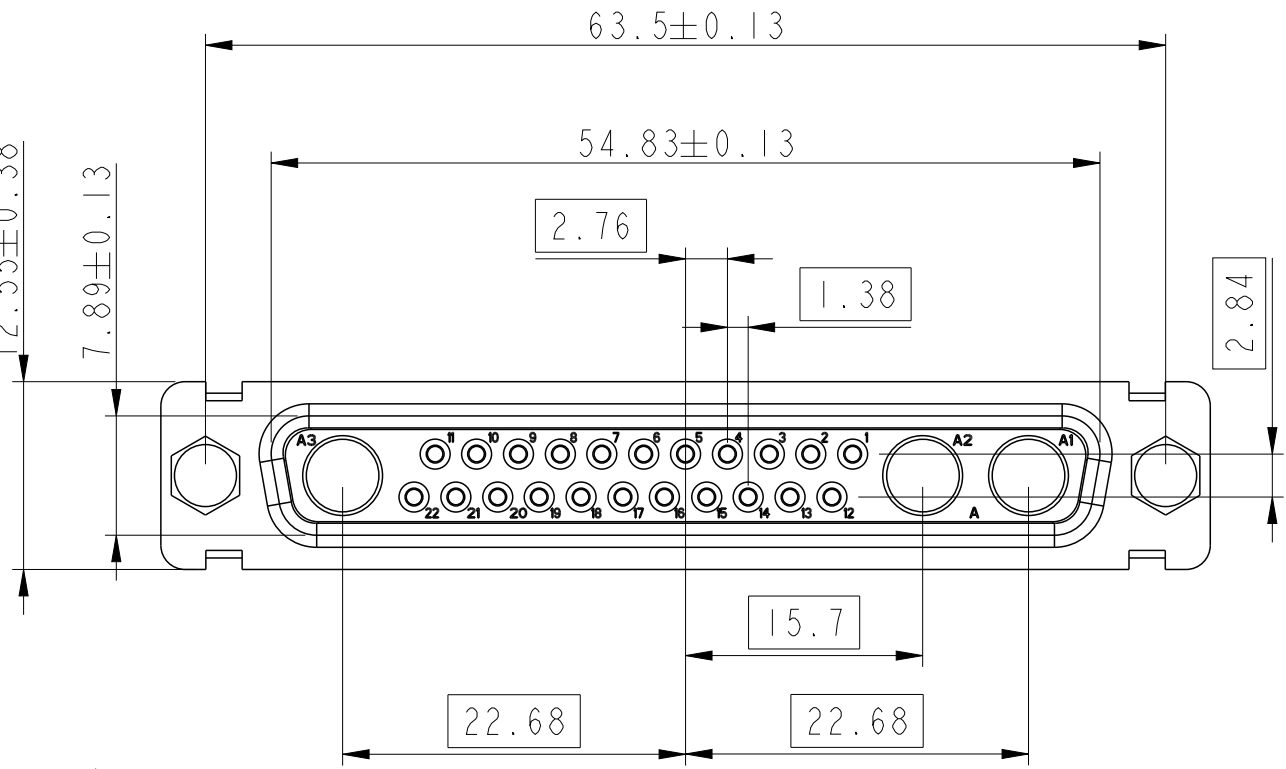
PDS: Rev :E

STATUS:Released

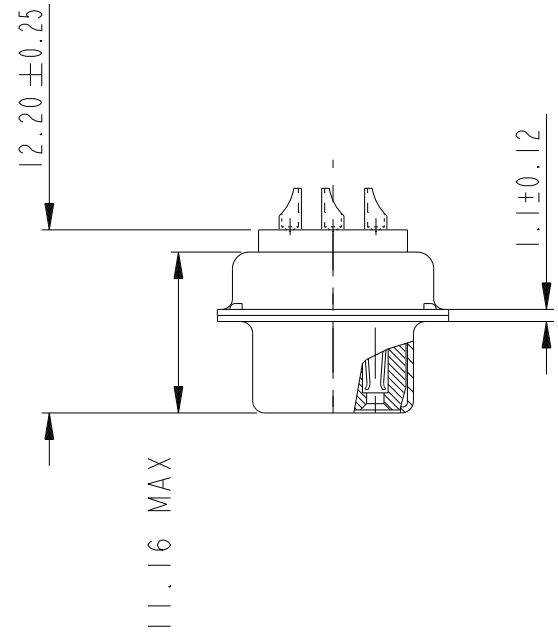
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25W3

24W7

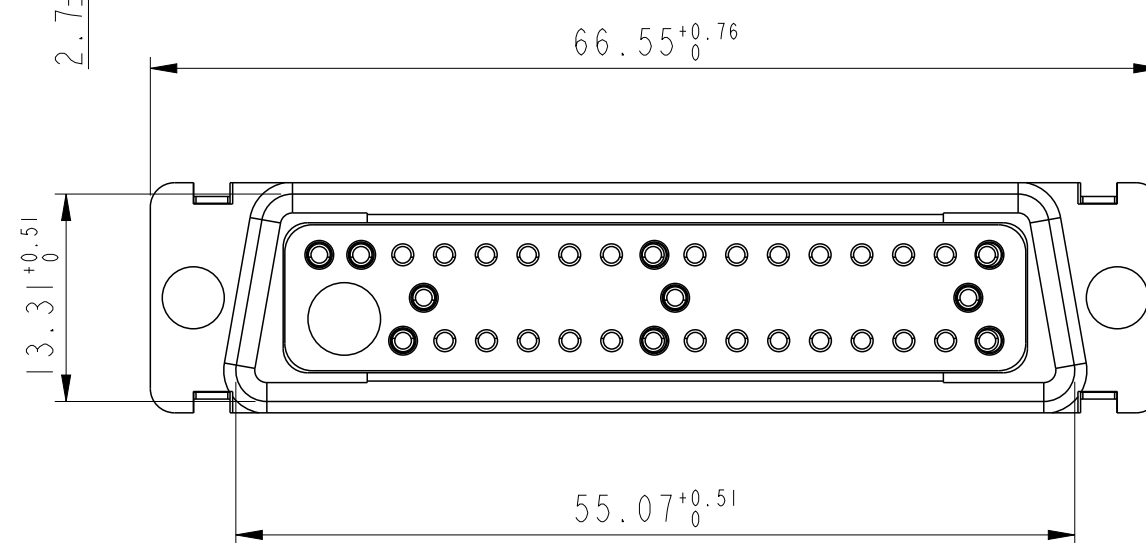
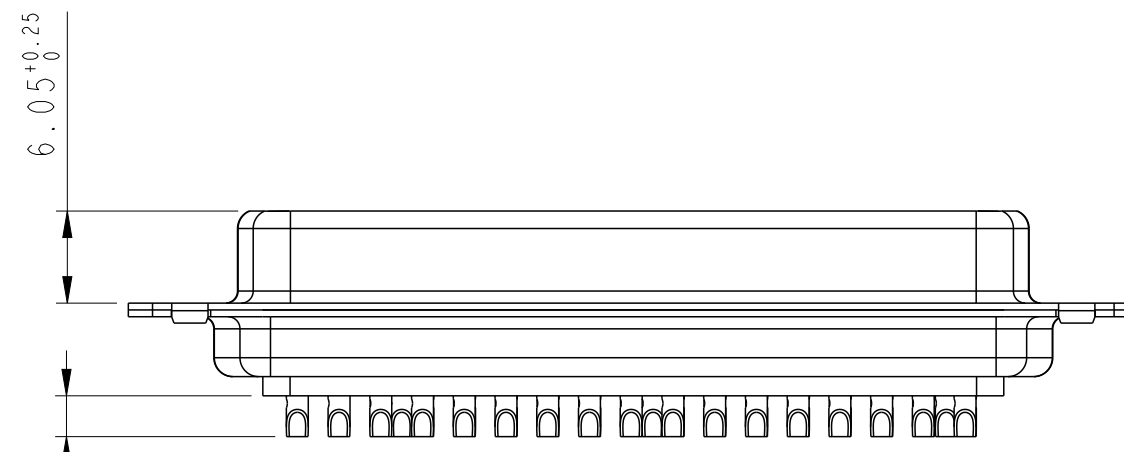
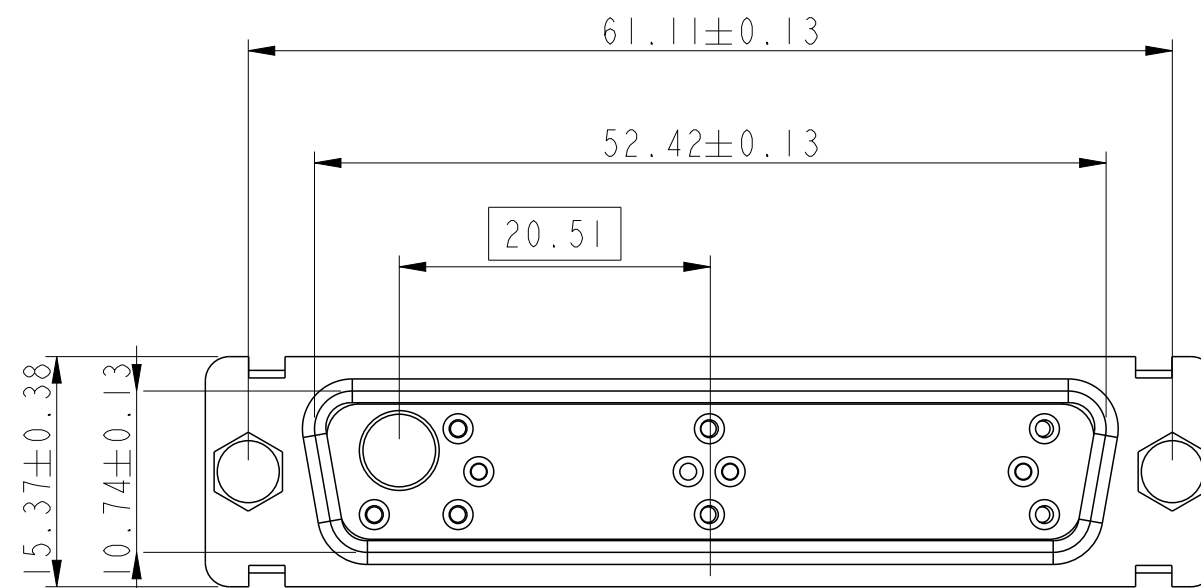


SIDE VIEW FOR
LAYOUT: D



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ISO 1101 ISO 406			chr		-	-											
TOLERANCES UNLESS OTHERWISE SPECIFIED			appr		Varma Sudhir	2019/11/12	product family			D SUB -							
			rel level		Released												
			surface		-	linear	0.X	±0.30	Amphenol FCi	title			SUB FEMALE DW	dwg no	C01-8639-2303	rev	E
			0.XX		±0.10												
0.XXX		±0.05															
ISO 1302		angular	0°	±2°	cat. no.		-	Product - Customer Drw			sheet 6 of 7						

47W1



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