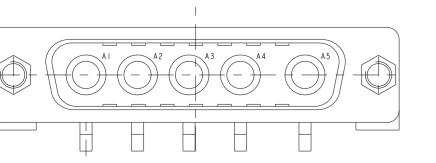
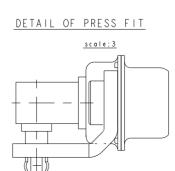
r	2	3		4	5	6	7
A	<u>REFERENCE SPECIFICATIONS</u> -NFC 93425 (in compliance with HE 507) <u>PHYSICAL CHARACTERISTICS</u> -INSULATOR MATERIAL: THERMOPLASTIC ,UL94V0 -CONTACT MATERIAL: BRASS			sheet 3)		V5P81C(	6M40L
B	- ACCESSORIES: BRASS - SHELLS: STEEL <u>ELECTRICAL CHARACTERISTICS</u> - NOMINAL CURRENT: 40A - CONTACT RESISTANCE: <= 7.3 mOhms - CONTACT/CONTACT : >=1000 V - CONTACT/GROUND : >=1200 V - INSULATION RESISTANCE: >=5000 MOhms <u>ENVIRONMENTAL CHARACTERISTICS</u> - CLIMATIC CATEGORY: 55/125/21 TEMPERATURE RANGE -55°C TO DAMP HEAT STEADY STATE 21 SALT SPRAY 24 HOURS		(see blank:wi L :th O :th V :fe Layout of Contacts P :Pi Terminatio		13 NC 4-40 4-40 sheet 3)		
Amphenol FCi	MECHANICAL CHARACTERISTICS         - RETENTION AGAINST TORQUE:       - Threaded insert:         - Female screw :       0         PRESS FIT PERFORMANCES       - Female screw :       0         PRESS FIT CONTACTS       <= 200 N         INSERTION FORCE       Average insertion 160N         EXTRACTION FORCE       >= 30 N         NOTE ROHS INFORMATION		6500 PCBaccess MMet AWit Power cont	al brackets hout accessory acts <del>-</del>	0		
E	<ul> <li>The "LF" products meet european union Directives regulations as described in GS-47-0004.</li> <li>Termination plating spec: <ul> <li>Ni 1.27µmi+Sn 0.5 to 1.5µ(pure bright)</li> <li>Active area plating spec: <ul> <li>Ni + Gold/GxT</li> </ul> </li> <li>Shell plating :2 to 4µm Cu + Ni + 3 to 10µmm</li> <li>Accessories: Sn pure bright + nickel</li> <li>Packaging spec: See GS-14-920</li> </ul> </li> </ul>		P.C.B HOLE DEFINITION	HOLE DIAMETERS DRILL DIAMETER DRILLED HOLE COPPER PLATING TIN-LEAD PLATING TIN PLATING FINISH HOLE (AFTER REFLOW)	SnPb holes for CONTACT Ø3.22 REF(NOTE 3) Ø3.19-3.25 25µ MINI (RECOMMENDED 50µ MAXI 15µ MAXI (RECOMMENDED 5µ MINI) Ø 3.02-3.20	Ø3.22 REF(NOTE 3) Ø3.19-3.25 D 25µ MINI (recommended 50µ maxi)	holes ACCESSORIES Ø3.10±0.10
6 AFCI		DETAIL OF PRESS FIT scole:3		DIMENSIONS MUST BE RES RDING TO IEC-352-5 SPE	SPECT TO SECURE PRESS-FIT PIN	PERFORMANCES.	

NOTE-2: ACCORDING TO IEC-352-5 SPEC. NOTE-3: MAJOR REQUIREMENT FOR PRESS FIT PIN PERFORMANCE



© 2016

F



5W5 FOR EXAMPLE

Creo File - REV E - 2016-02-12				
	2	2	Δ	
I	L			
			· · · · · · · · · · · · · · · · · · ·	1

5	6			7	8	
)BL5	W5F	P81(	<u>2</u> 6	VI4(	DLF	A
4 - 4 0 4 0 e e t 3 )					See note RoHS	B
tandard s						C
s see sheet 2) <del>-</del> ontacts 40 Amp.						D

spec ref	pec ref				dr	1, Product Eng 2015/06/16		2015/06/16	projection		~	$\sim$	size	scale	
tolerance st	d _				eng	eng Paul Mithun 2019/		2019/07/29			m		A 2	1:1	
	TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	chr		$\cdot$		$\Box$	→		ecn no	ELX-I-34084-1			
			IOL OIL		appr	Varma Sudhir	2	2019/07/29	product	family		-	rel level	Released	
			0.X	$\pm$ 0.30	A	ohenol –	CIIE	B MALE DW				NÉT			rev
surface	-/ lin	near	0.XX	$\pm$ 0 . $\mid$ 0	Amt		JUL	J MALL DW				on V	0 -8639-	-2319	
			0.XXX	$\pm$ 0.05			ULU	_ POWER RIGH	T ANGLE	PRESS	FIT	dw			D
· · ·	ang	ular	0°	$\pm 2^{\circ}$		c a t	. no.		-	Pro	oduct –	Customer	Drw	sheet I of	5
5 PDS: R			: Re	v :D ST			ATUS:Released			Printed: Jul 29, 2019					

E

		2	3	4	
A  B					
	FRONT ACCESSORY	Ø3.10±0.1 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	L insert M3 O insert UNC 4.	V insert U	NC 4.4
С	PCB ACCESSORIES	<b>A</b> Without	A Without	<b>A</b> Without	

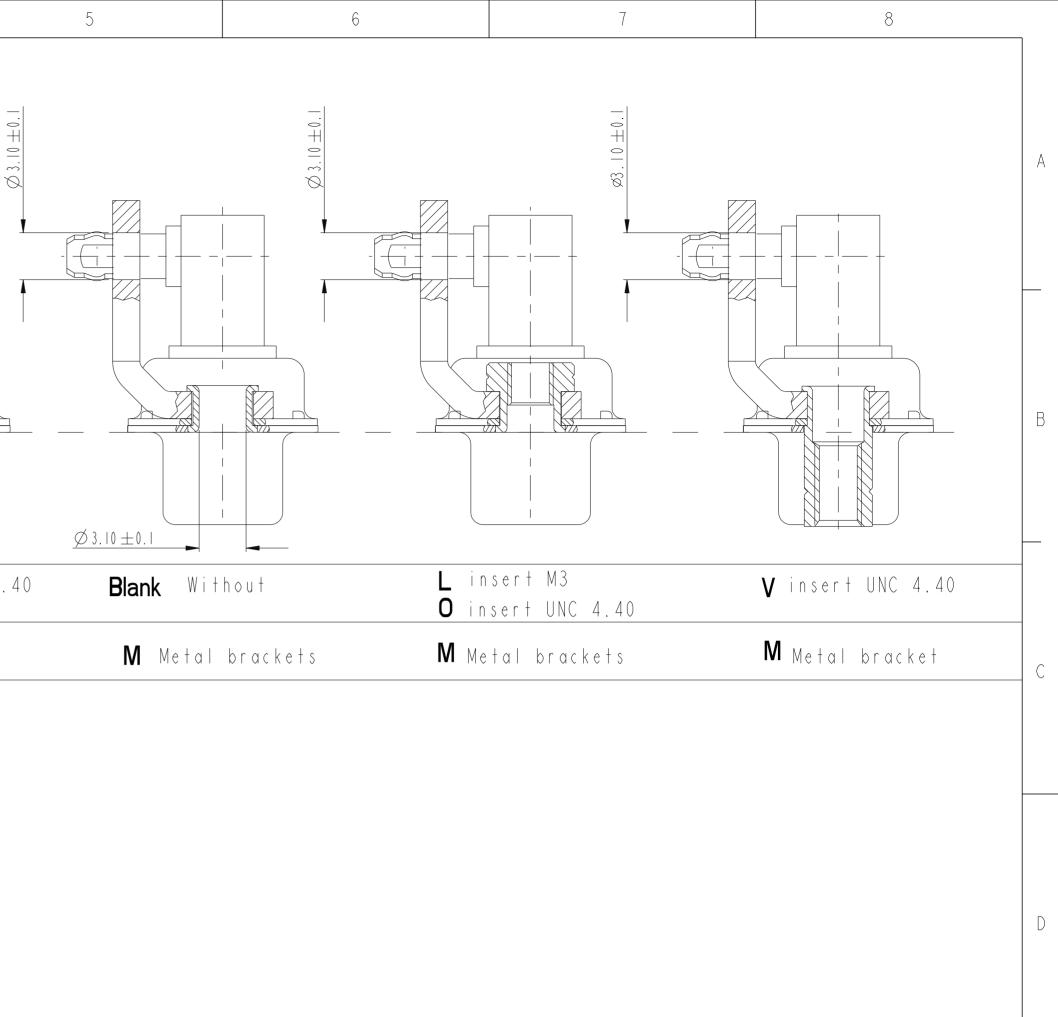
Amphenol FCi

E

© 2016 AFCI

F

Creo File - REV E - 2016-02-12			
	2	3	4



spec ref				dr	1, Product Eng		2015/06/16		proje	ction	.			size	scale	è.	
tolerance	tolerance std			eng	Paul Mithun	Paul Mithun 2019		2019/07/29		$\square$	mm			A 2	3:1		
TOLERANCES UI OTHERWISE SPEC		JNLESS CIEIED	chr	hr -		-		<b>_</b>	$\Box$	<b>→</b>		-	ecn no	ELX-I-34084-1			
			INCL OIL		appr	Varma Sudhir		2019/07/29		product	family		D	SUB	rel level	Released	
			0.X	±0.30		shanal	<sup>ی</sup> دוו	3 MALE				DINT	0 U O				rev
surface	-/	linear	0.XX	±0.10	Am	phenol FCi	- 301 +-	) MALE			r uu i f		D	С	0   - 8639	-2319	
	$\backslash$		0.XXX	$\pm$ 0.05		FUI	⁺ FUL	L POWER	RIGH	T ANGLE	PRESS	FIT	d v				D
	v	angular	0°	±2°			cat.no			-	Pro	oduct –	- Cus	tomer	· Drw	sheet 2 o	f 5
5				PDS	6: <b>Re</b>	v :D			ST	ATUS:R	eleased			Pri	inted: Jul	29, 2019	

E

	MATINGS/	FRONT	РСВ	shell size	LAYOUTS xWx			MATINGS/	FRONT	РСВ
PART NUMBER AMPS	UNMATINGS	ACCESSORY	ACCESSORIES	· · · · · · · · · · · · · · · · · · ·	~ W ~	PART NUMBER	AMPS	UNMATINGS	ACCESSORY	ACCESSORIES
D*xWxP8IC5A40LF 40	200	without	without	E	2 V 2	D*xWxP8IC6A40LF	40	500	without	without
D*LxWxP8IC5A40LF 40	200	insert M3	without	Δ	21/2	D*LxWxP8IC6A40LF	40	500	insert M3	without
D*OxWxP8IC5A40LF 40	200	insert UNC 4.40	without	A	3 \ 3	D*OxWxP8IC6A40LF	40	500	insert UNC 4.40	without
D*VxWxP8IC5A40LF 40	200	female screw UNC 4.40	without	Α	3 W 3	D * V x W x P 8 I C 6 A 4 0 L F	40	500	female screw UNC 4.40	without
D*xWxP8IC5M40LF 40	200	without	metal bracket			D * x W x P 8 I C 6 M 4 0 L F	4 0	500	without	metal bracket
D*LxWxP8IC5M40LF 40	200	insert M3	metal bracket	В	5W5	D*LxWxP8IC6M40LF	40	500	insert M3	metal bracket
D*OxWxP8IC5M40LF 40	200	insert UNC 4.40	metal bracket	C	8W8	D * O x W x P 8 I C 6 M 4 0 L F	4 0	500	insert UNC 4.40	metal bracket
D*VxWxP8IC5M40LF 40	200	female screw UNC 4.40	metal bracket		$\bigcirc$ $\cdots \bigcirc$	D * V x W x P 8 I C 6 M 4 0 L F	40	500	female screw UNC 4.40	metal bracket

2016 AFCI  $\odot$ 

F

Ε

Creo File - REV E - 2016-02-12

2

3

dr 1, Product Eng eng Paul Mithun spec ref 2015/06/16 projection size scale mm Α2 2019/07/29 tolerance std 3:1 F  $\oplus$ - $\Box$ TOLERANCES UNLESS OTHERWISE SPECIFIED chr ecn no ELX-I-34084-1 --D SUB rel level Released appr Varma Sudhir 2019/07/29 product family 0.X ±0.30 0.XX ±0.10 - Amphenol SUB MALE DW EUROPE FOOTPRINT rev COI-8639-23I9 surface - / linear dwg D FULL POWER RIGHT ANGLE PRESS FIT 0.XXX ±0.05  $\searrow$ 0° ±2° Product – Customer Drw angular cat. no. sheet 3 of 5 -PDS: Rev :D STATUS:Released Printed: Jul 29, 2019 5

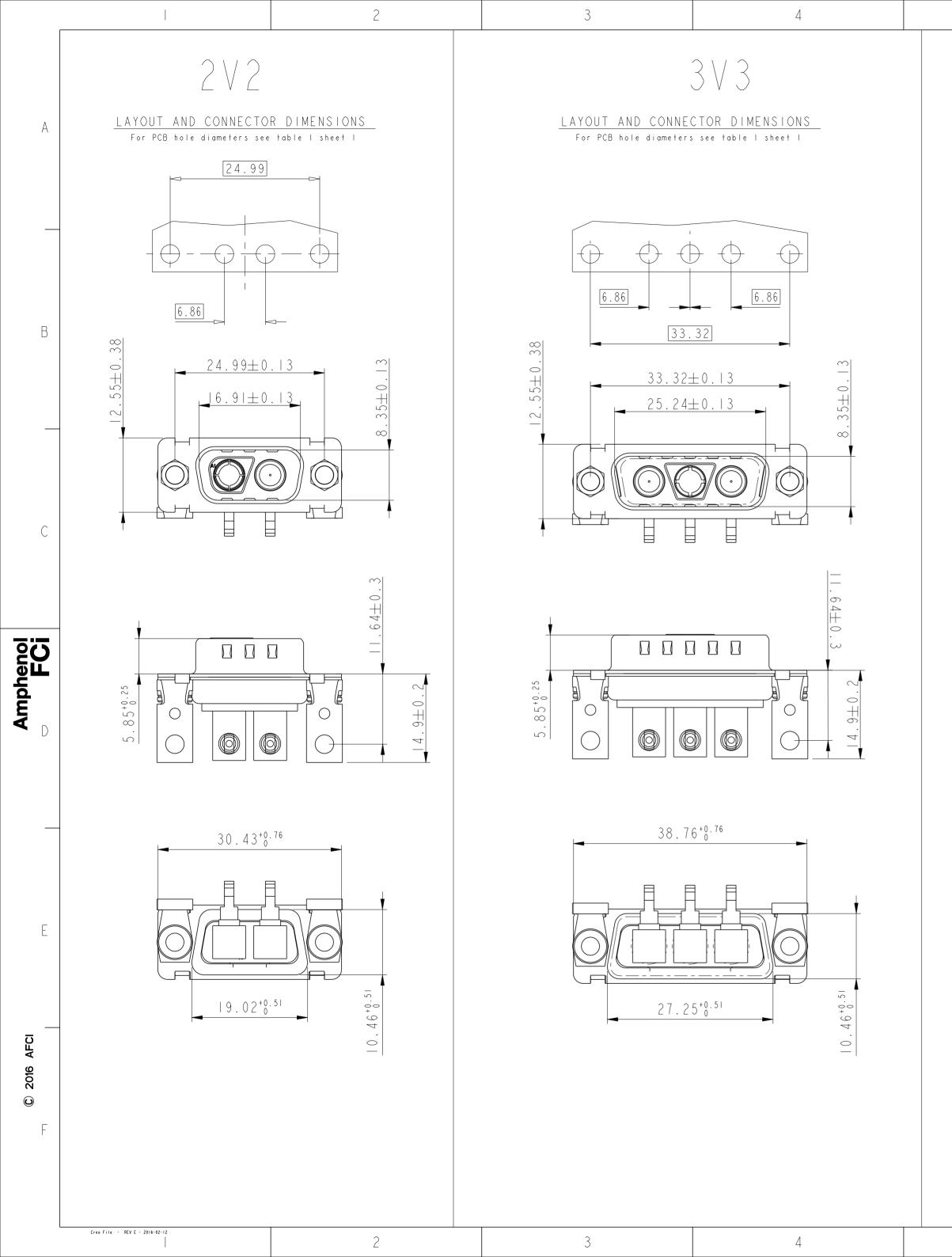
А

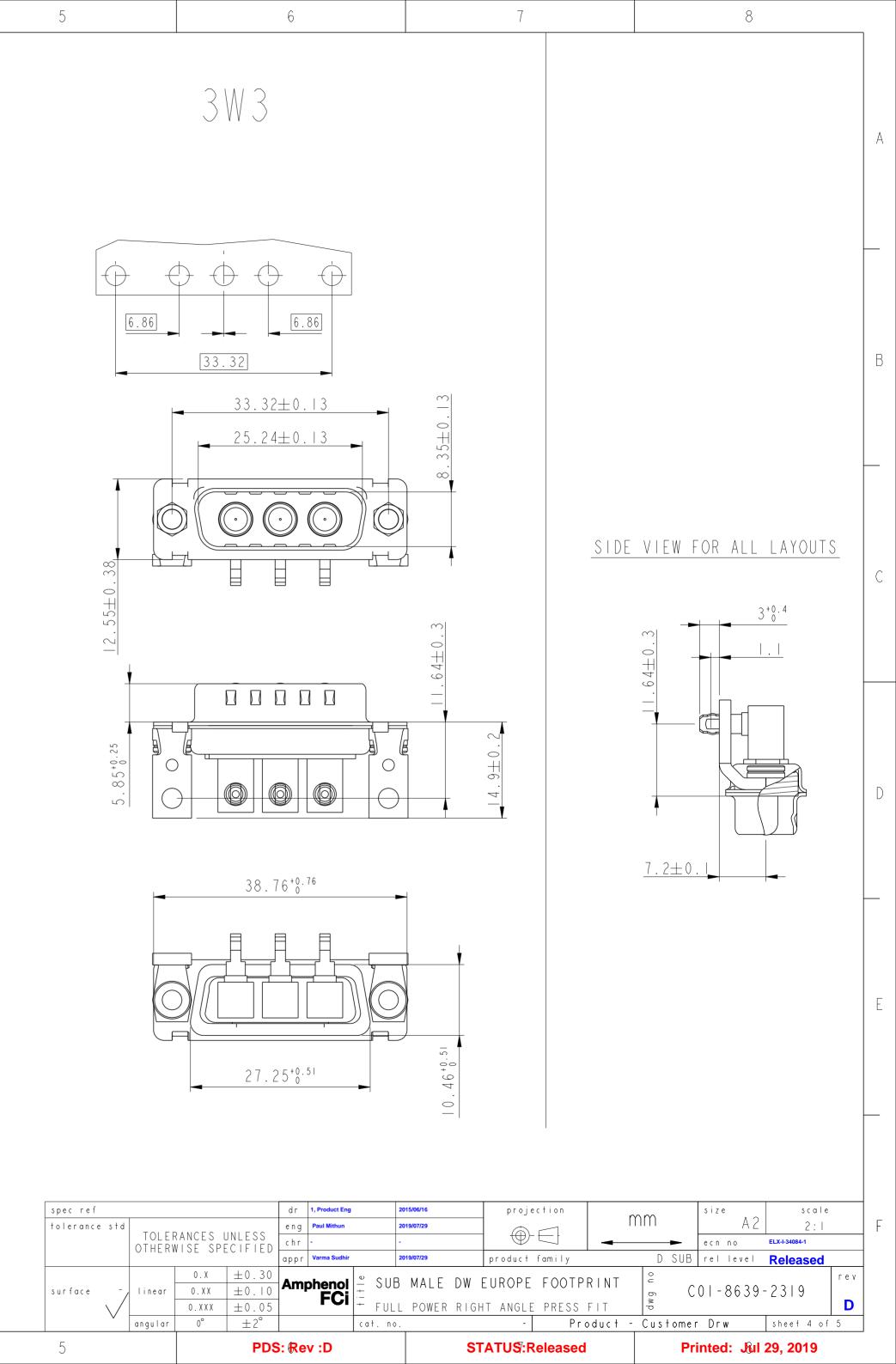
В

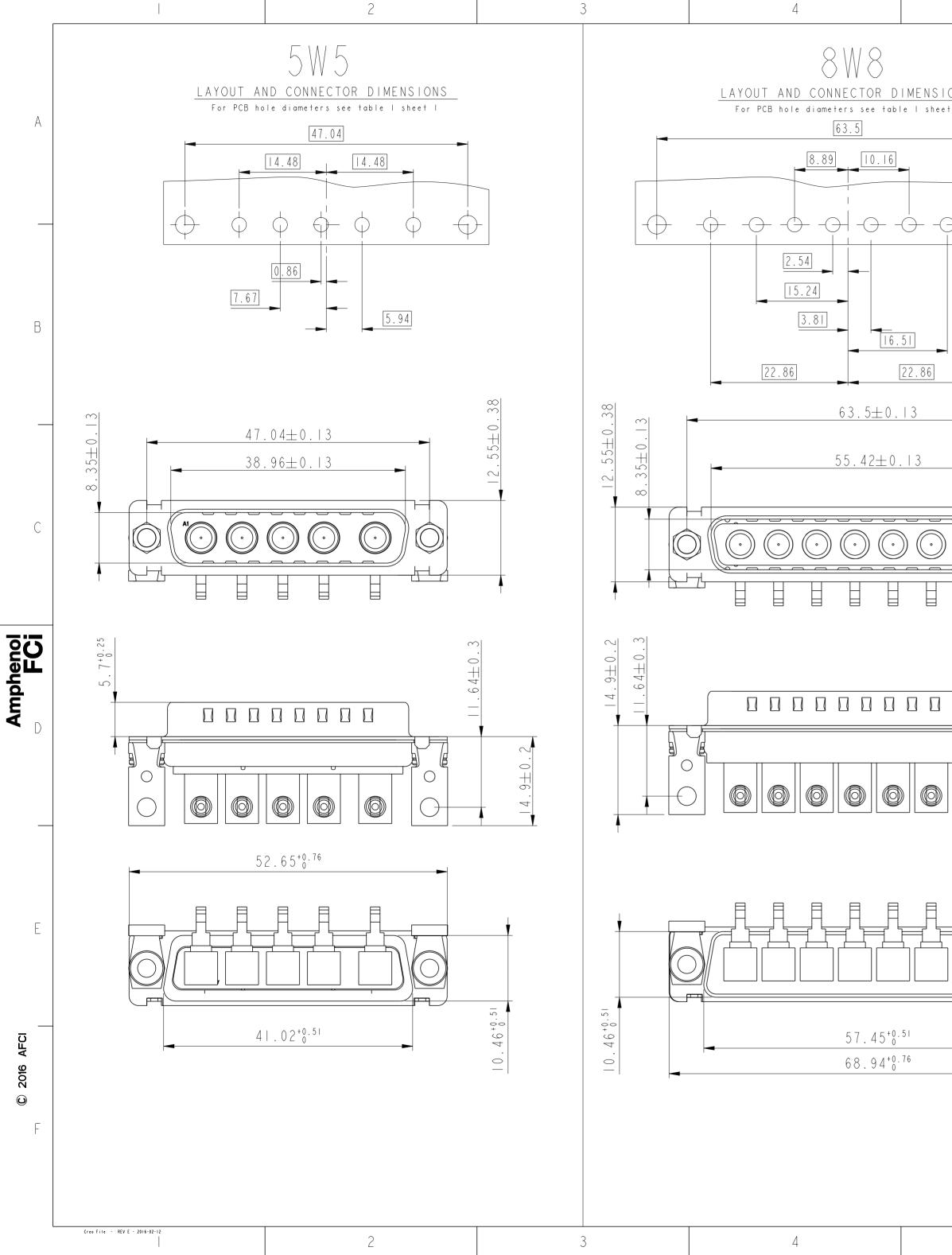
С

D

E







5	6	7	8
$\frac{1 \text{ ONS}}{e^+ 1}$			
			В
			C
			D
			E
spec ref tolerance std TOLEF OTHERV surface - linear angular	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	2015/06/16       projection         2019/07/29       Image: Constraint of the second sec	≥ C01-0033-7313 D