

REFERENCE SPECIFICATIONS

MIL-DTL-24308 FOR DIMENSIONS

NFC-93425 FOR CHARACTERISTICS

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC UL94V0

-CONTACT MATERIAL: BRASS,
GOLD OVER NICKEL

-ACCESSORIES: STEEL FOR METAL BRACKETS,
cadmium plated yellow passivation
THERMOPLASTIC UL94V0 FOR PLASTIC BRACKETS

BRASS FOR OTHERS ACCESSORIES,
cadmium plated yellow passivation

-SHELLS: STEEL,
cadmium plated yellow passivation

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: 55/125/56

TEMPERATURE RANGE -55°C TO +125°C

DAMP HEAT STEADY STATE 56 DAYS

SALT SPRAY 48 HOURS

MECHANICAL CHARACTERISTICS

RETENTION AGAINST TORQUE: -Threaded insert:0.7 N.m min

-Female screw:0.5 N.m min

Series

DBML25P700M

Shell size: **E A B C D**
(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)

9,15,25,37,50

Contacts

P :Pin

Termination type

7 Right angle/US foot print

Plating

00 Right angle 500 matings/unmatings

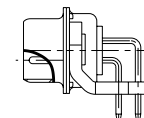
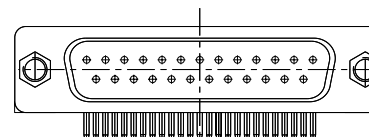
43 Right angle 500 matings/unmatings
for harsh environment

PCB accessories definition(see sheet 2)

Blank :Plastic brackets

C :Without brackets

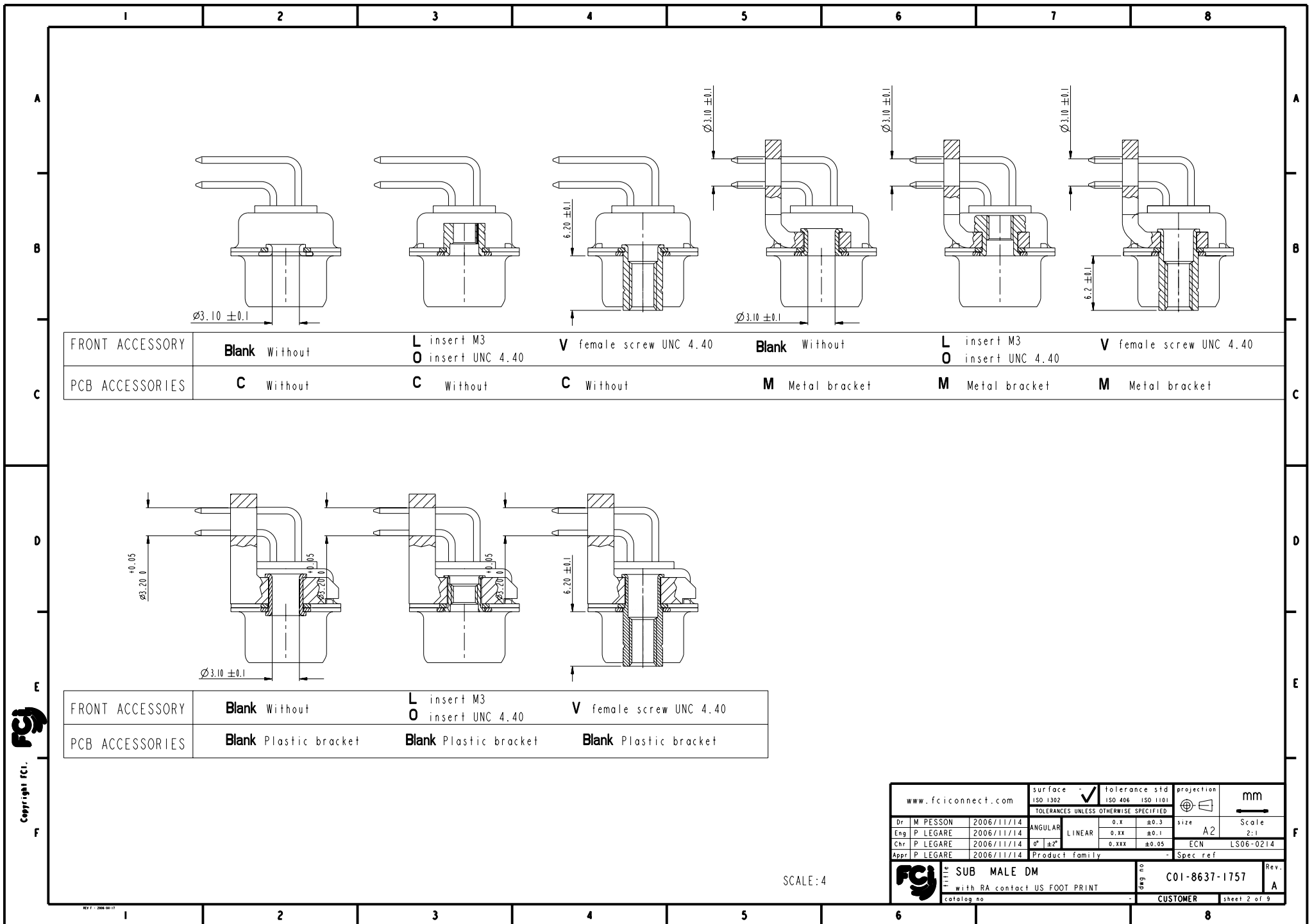
M :Metal brackets



25 WAY for Example

rev	ech no	dr	date
A	LS06-0214	MPE	2006/12/13
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com			surface - ☒ tolerance std ISO 1302 ISO 406 ISO 1101			projection 		mm ←		
TOLERANCES UNLESS OTHERWISE SPECIFIED										
Dr	M PESSON	2006/11/14	ANGULAR LINEAR	0.X ±0.3	size A2	Scale 2:1	ECN LS06-0214	Spec ref		
Eng	P LEGARE	2006/11/14								0.XX ±0.1
Chr	P LEGARE	2006/11/14								0° ±2° 0.XXX ±0.05
Appr	P LEGARE	2006/11/14	Product family							
			title SUB MALE DM			dag no C01-8637-1757		Rev. A		
			with RA contact US FOOT PRINT			CUSTOMER		sheet 1 of 9		
catalog no										



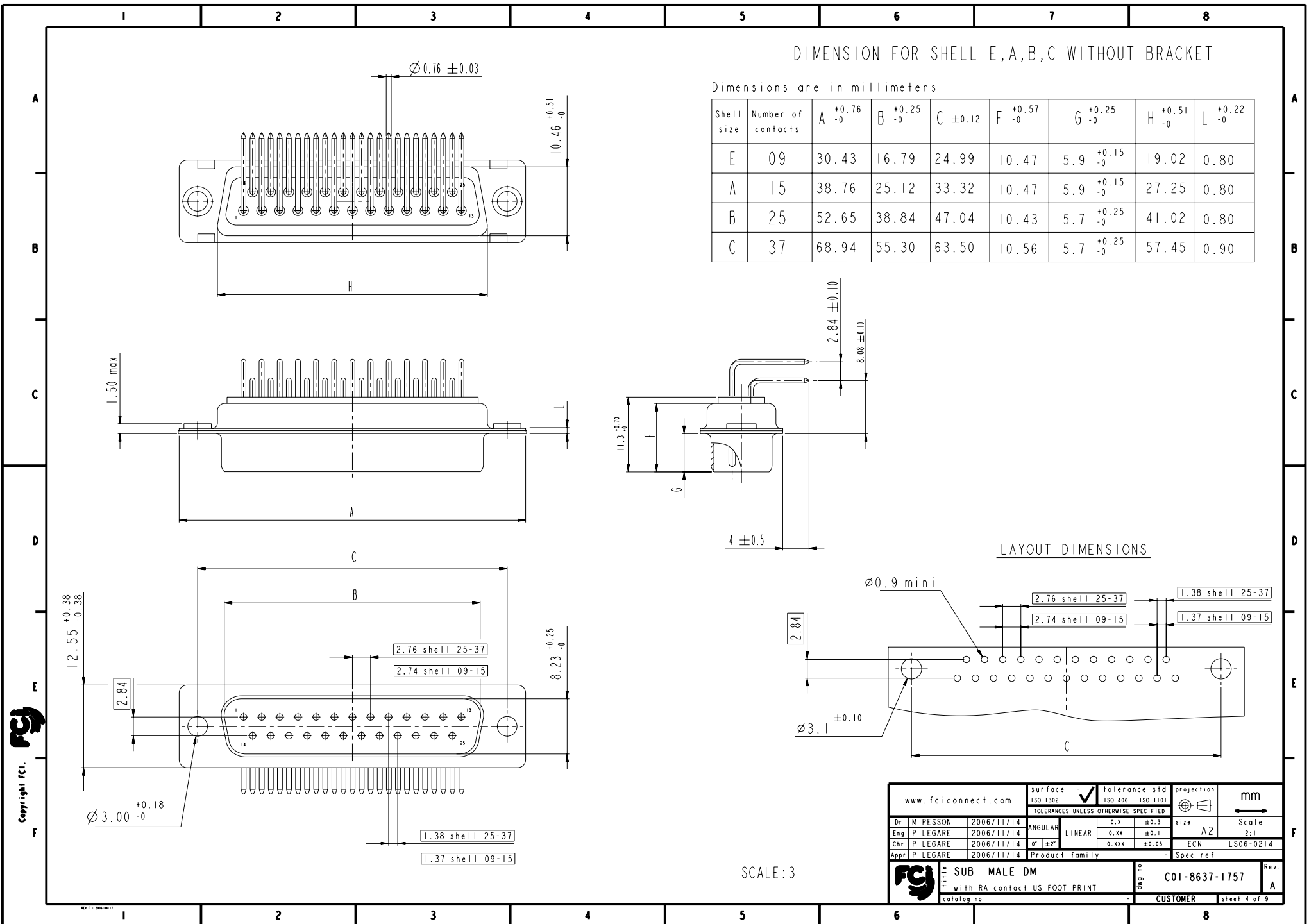
	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

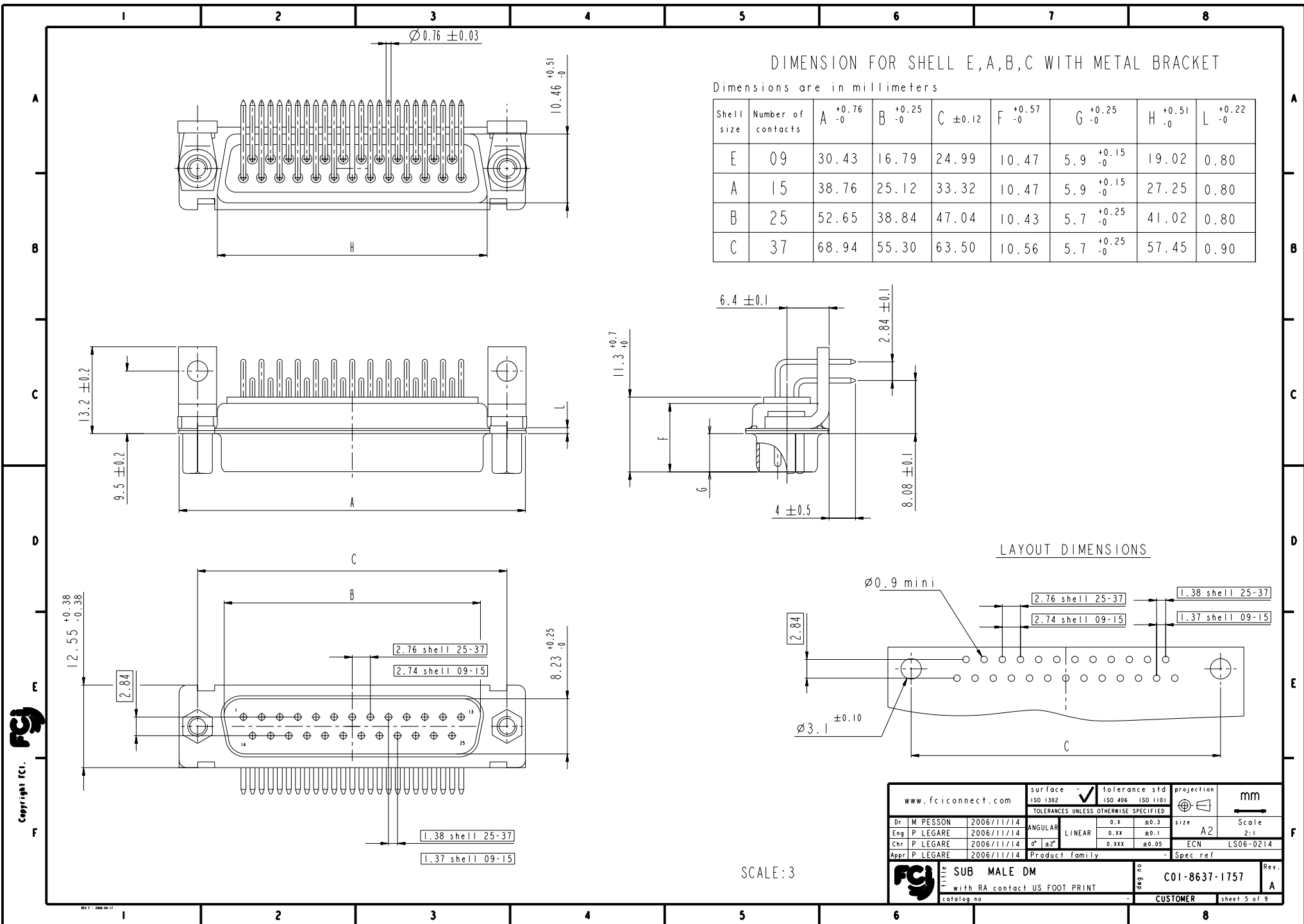
PART NUMBER	FRONT ACCESSORY	PCB ACCESSORY
D*MxxP700C	without	without
D*MLxxP700C	insert M3	without
D*MOxxP700C	insert UNC 4.40	without
D*MVxxP700C	female screw UNC 4.40	without
D*MxxP700M	without	Metal bracket
D*MLxxP700M	insert M3	Metal bracket
D*MOxxP700M	insert UNC 4.40	Metal bracket
D*MVxxP700M	female screw UNC 4.40	Metal bracket
D*MxxP700	without	Plastic bracket
D*MLxxP700	insert M3	Plastic bracket
D*MOxxP700	insert UNC 4.40	Plastic bracket
D*MVxxP700	female screw UNC 4.40	Plastic bracket

shell size	Contact number
X	XX
E	09
A	15
B	25
C	37
D	50

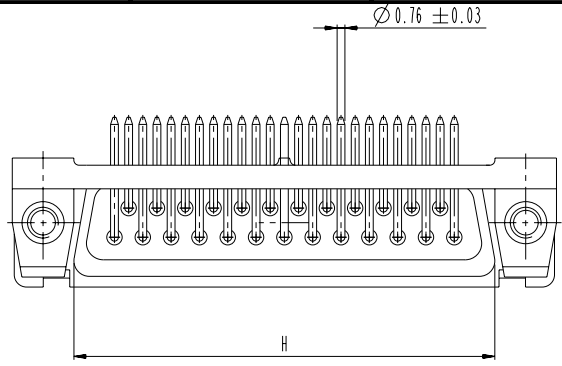
PART NUMBER	FRONT ACCESSORY	PCB ACCESSORY
D*MxxP743C	without	without
D*MLxxP743C	insert M3	without
D*MOxxP743C	insert UNC 4.40	without
D*MVxxP743C	female screw UNC 4.40	without
D*MxxP743M	without	Metal bracket
D*MLxxP743M	insert M3	Metal bracket
D*MOxxP743M	insert UNC 4.40	Metal bracket
D*MVxxP743M	female screw UNC 4.40	Metal bracket
D*MxxP743	without	Plastic bracket
D*MLxxP743	insert M3	Plastic bracket
D*MOxxP743	insert UNC 4.40	Plastic bracket
D*MVxxP743	female screw UNC 4.40	Plastic bracket

www.fciconnect.com		surface - ☒ ISO 1302		tolerance std ☒ ISO 406 ISO 1101		projection 		mm 	
TOLERANCES UNLESS OTHERWISE SPECIFIED									
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3	size	A2	Scale	2:1
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1	ECN	LS06-0214		
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05	Product family	-	Spec ref	
Appr	P LEGARE	2006/11/14							
		SUB MALE DM			deg no		C01-8637-1757		Rev.
		with RA contact US FOOT PRINT							A
		catalog no					CUSTOMER		sheet 3 of 9



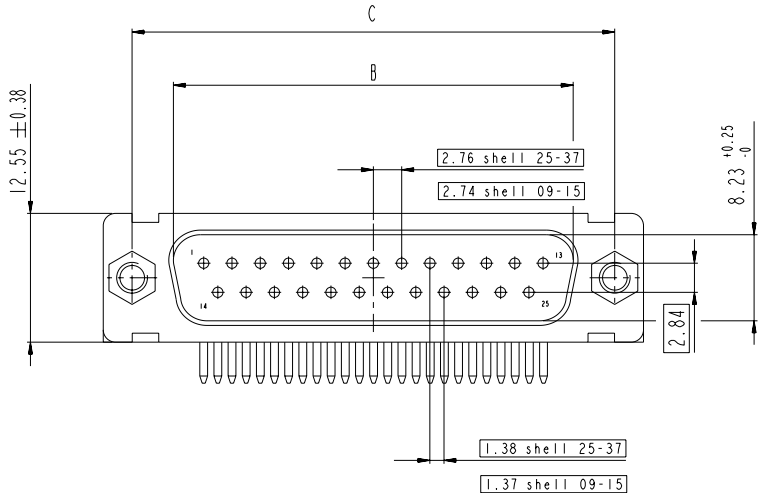
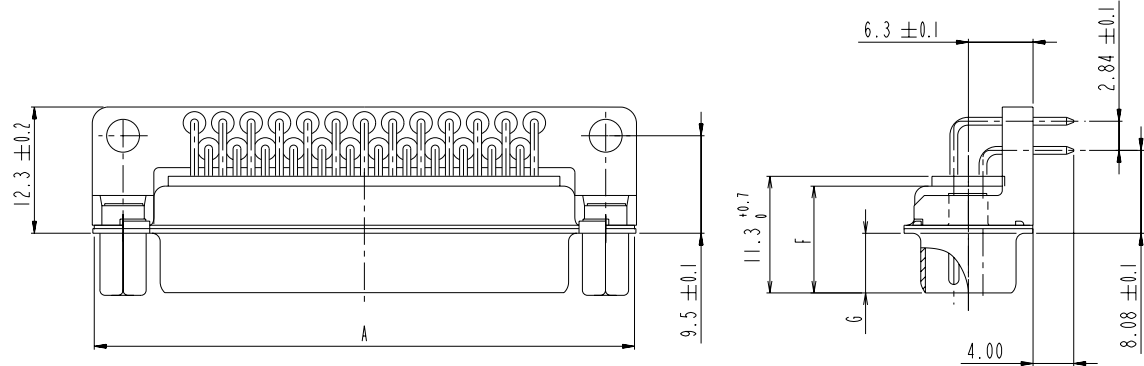


I 2 3 4 5 6 7 8

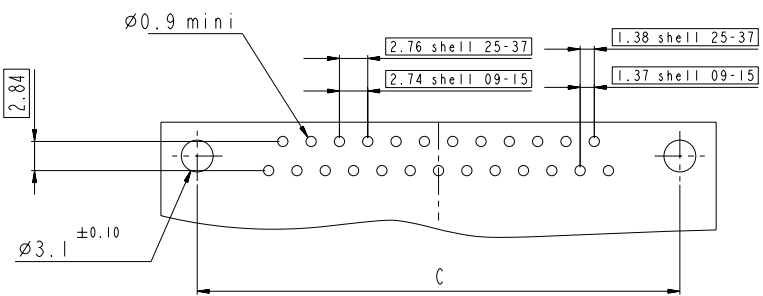


DIMENSION FOR SHELL E,A,B,C WITH PLASTIC BRACKET
Dimensions are in millimeters

Shell size	Number of contacts	A ^{+0.76} ₋₀	B ^{+0.25} ₋₀	C ±0.12	F ^{+0.57} ₋₀	G ^{+0.25} ₋₀	H ^{+0.51} ₋₀	L ^{+0.22} ₋₀
E	09	30.43	16.79	24.99	10.47	5.9 ^{+0.15} ₋₀	19.02	0.80
A	15	38.76	25.12	33.32	10.47	5.9 ^{+0.15} ₋₀	27.25	0.80
B	25	52.65	38.84	47.04	10.43	5.7 ^{+0.25} ₋₀	41.02	0.80
C	37	68.94	55.30	63.50	10.56	5.7 ^{+0.25} ₋₀	57.45	0.90

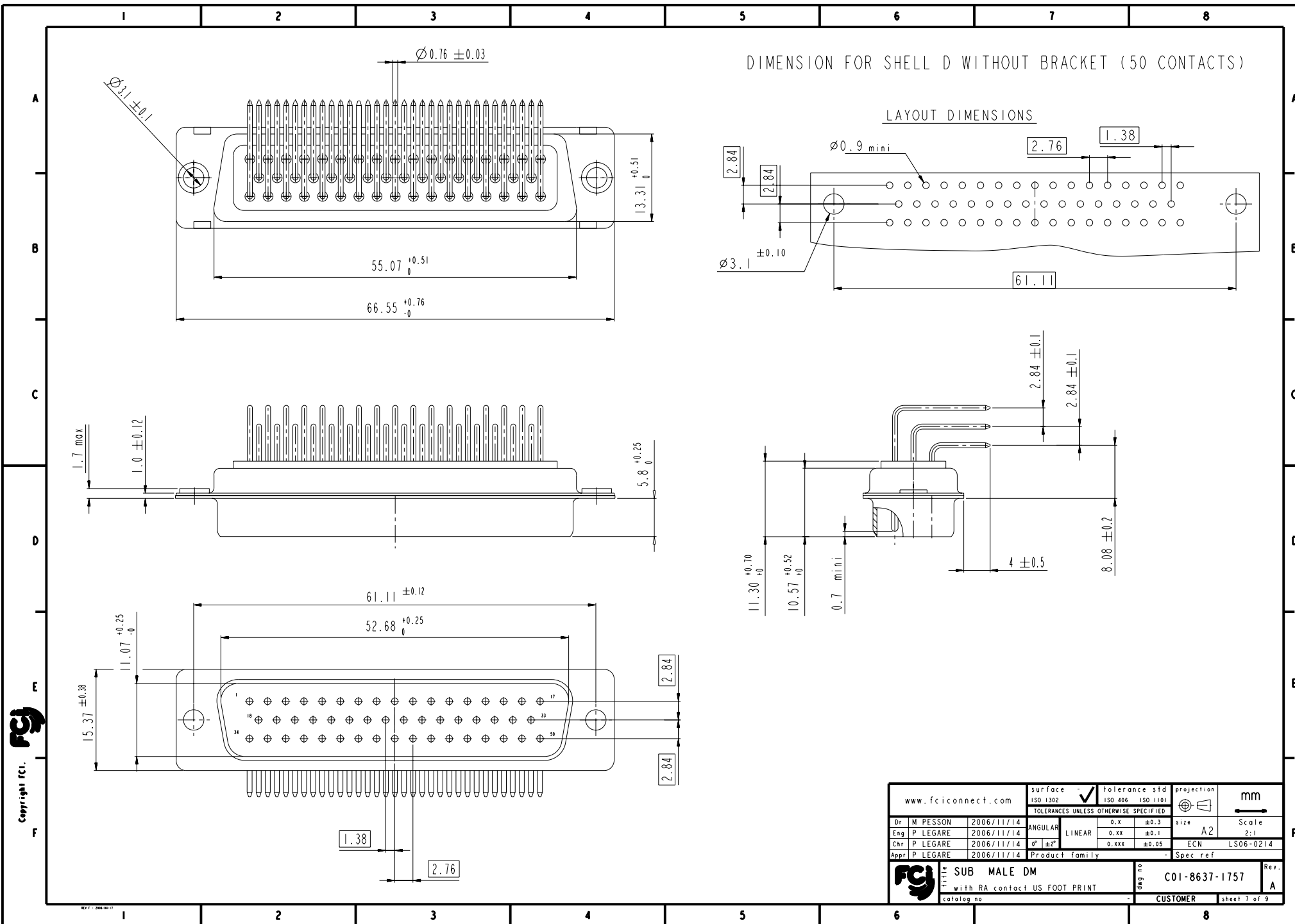


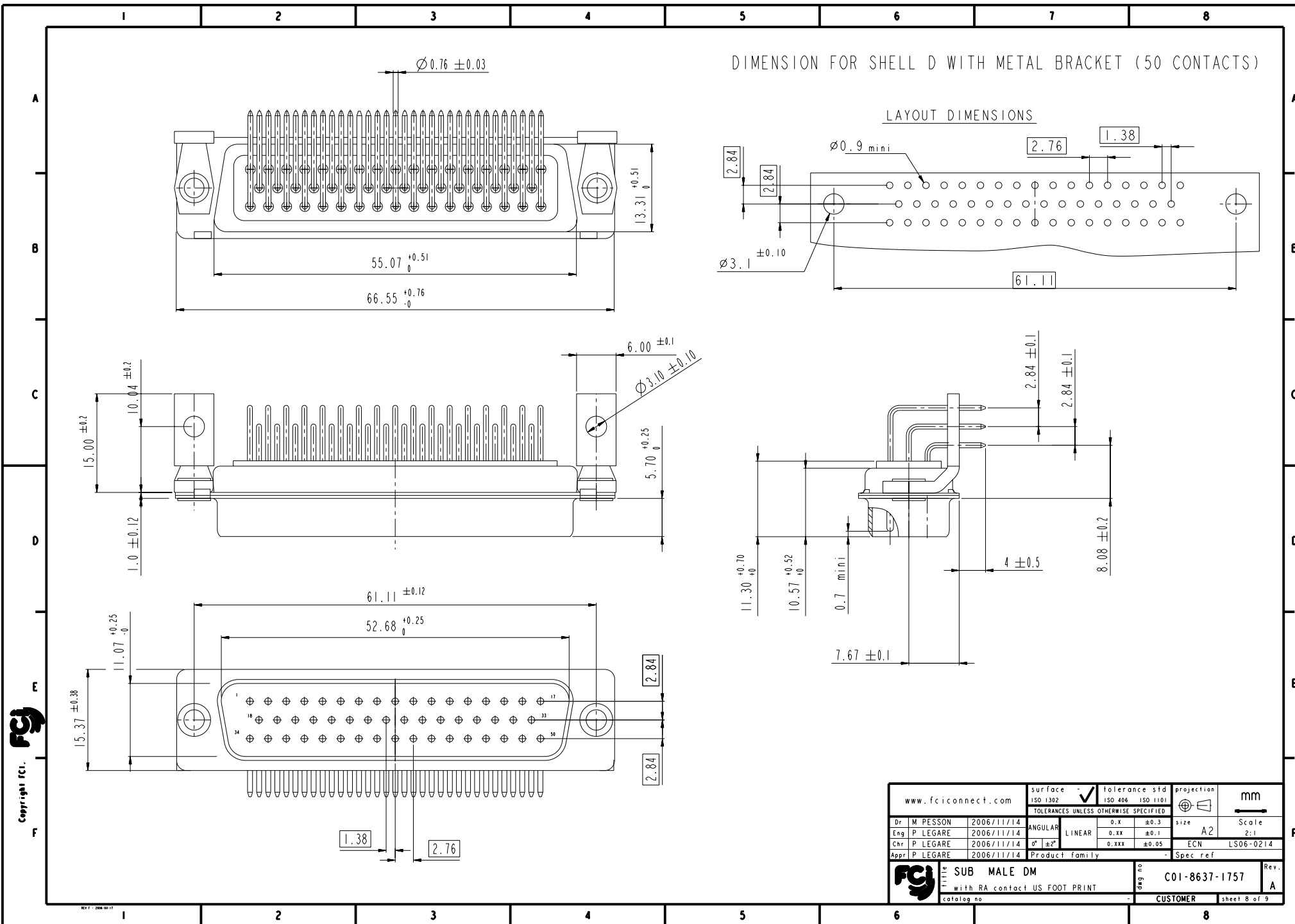
LAYOUT DIMENSIONS



www.fciconnect.com				surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
				TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3	size	A2	Scale	2:1	
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1	ECN	LS06-0214			
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05	Product family	-	Spec ref		
Appr	P LEGARE	2006/11/14								
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DIMENSION FOR SHELL D WITH METAL BRACKET (50 CONTACTS)

LAYOUT DIMENSIONS

www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	M PESSON	2006/11/14	ANGULAR	0.X	± 0.3		size	A2
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	± 0.1		Scale	2:1
Chr	P LEGARE	2006/11/14	$0^\circ \pm 2^\circ$	0.XXX	± 0.05		ECN	LS06-0214
Appr	P LEGARE	2006/11/14	Product family				Spec ref	
SUB MALE DM		Title		with RA contact US FOOT PRINT		Part no		Rev.
C01-8637-1757		Customer		Sheet 8 of 9		A		

