

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 508)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOSET 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: 55/155/56

TEMPERATURE RANGE -55°C TO +155°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

DBML25P500MN

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

5 Right angle/Europe standard

Plating

00 Right angle 500 matings/unmatings

43 Right angle 500 matings/unmatings
for harsh environment

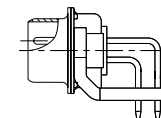
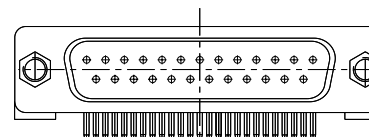
PCB accessories definition(see sheet 2)

Blank :Plastic brackets

C :Without brackets

M :Metal brackets

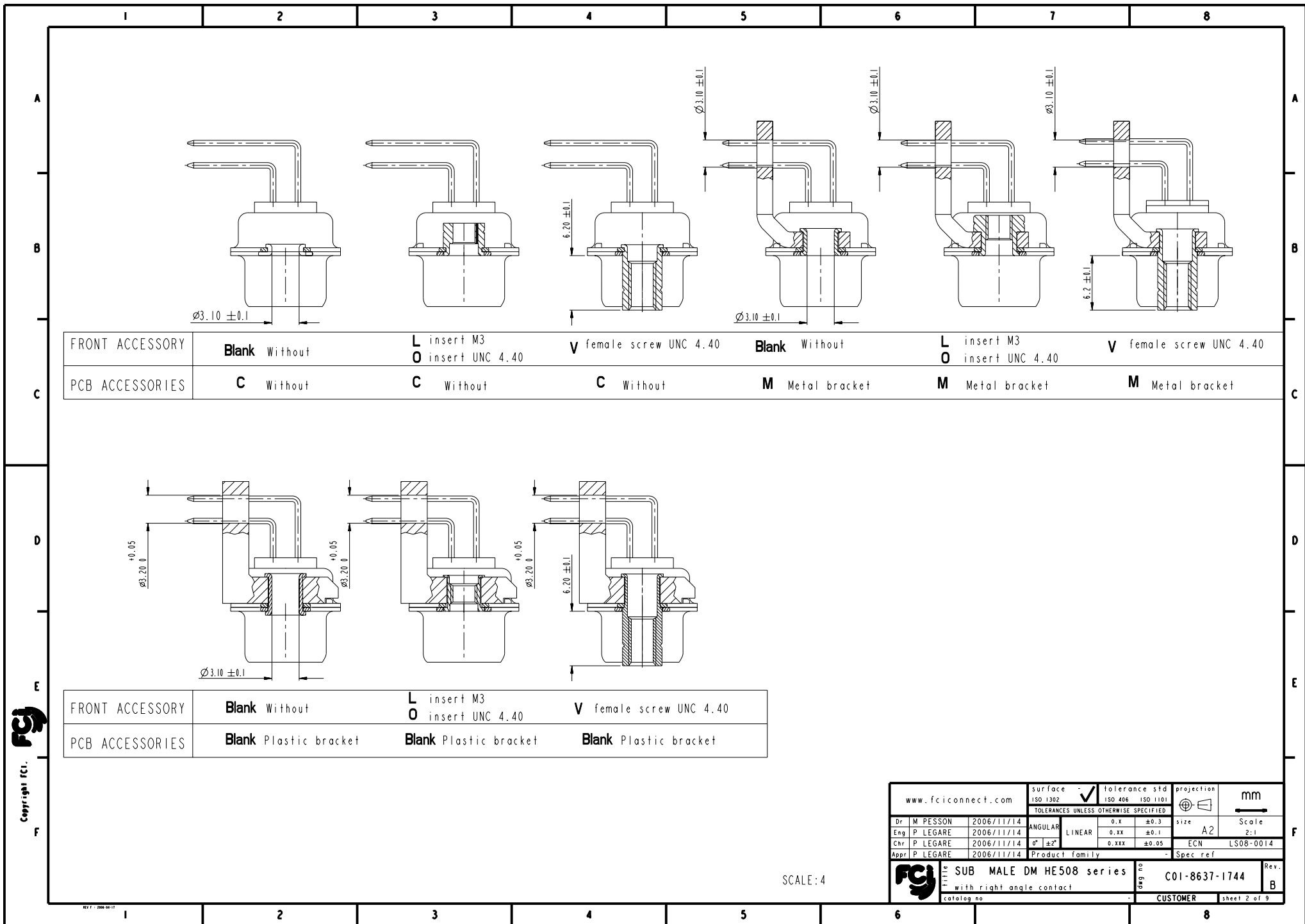
Obligatory for HE508



25 WAY FOR EXAMPLE

rev	acc no	dr	date
A	3506-0174 MPE		2006/11/14
B	3508-0014		2008/01/17
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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
Eng	P LEGARE	2006/11/14			0.XX	±0.1			2:1
Chr	P LEGARE	2006/11/14	0° ±2°		0.XXX	±0.05	ECN	LS08-0014	
Appr	P LEGARE	2006/11/14	Product family			-	Spec ref		
			SUB MALE DM HE508 series			deg no		C01-8637-1744	
			with right angle contact					Rev.	
catalog no			-			CUSTOMER		sheet 1 of 9	



PART NUMBER	FRONT ACCESSORY	PCB ACCESSORY
D*MxxP500CN	without	without
D*MLxxP500CN	insert M3	without
D*MOxxP500CN	insert UNC 4.40	without
D*MVxxP500CN	female screw UNC 4.40	without
D*MxxP500MN	without	Metal bracket
D*MLxxP500MN	insert M3	Metal bracket
D*MOxxP500MN	insert UNC 4.40	Metal bracket
D*MVxxP500MN	female screw UNC 4.40	Metal bracket
D*MxxP500N	without	Plastic bracket
D*MLxxP500N	insert M3	Plastic bracket
D*MOxxP500N	insert UNC 4.40	Plastic bracket
D*MVxxP500N	female screw UNC 4.40	Plastic bracket

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

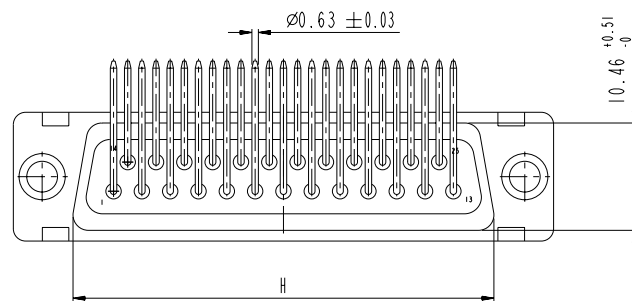
PART NUMBER	FRONT ACCESSORY	PCB ACCESSORY
D*MxxP543CN	without	without
D*MLxxP543CN	insert M3	without
D*MOxxP543CN	insert UNC 4.40	without
D*MVxxP543CN	female screw UNC 4.40	without
D*MxxP543MN	without	Metal bracket
D*MLxxP543MN	insert M3	Metal bracket
D*MOxxP543MN	insert UNC 4.40	Metal bracket
D*MVxxP543MN	female screw UNC 4.40	Metal bracket
D*MxxP543N	without	Plastic bracket
D*MLxxP543N	insert M3	Plastic bracket
D*MOxxP543N	insert UNC 4.40	Plastic bracket
D*MVxxP543N	female screw UNC 4.40	Plastic bracket

CROSS REFERENCES HE501 and FCI

HE508 P/N	FCI P/N	FRONT ACCESSORY	PCB ACCESSORY
HE508PxxVP6	D*MxxP500N	without	Plastic bracket
HE508MxxVP6	D*MxxP500MN	without	Metal 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
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05
Appr	P LEGARE	2006/11/14	Product family	- Spec ref	
		SUB MALE DM HE508 series		deg no	C01-8637-1744
		with right angle contact		Rev.	B
		catalog no	CUSTOMER		sheet 3 of 9

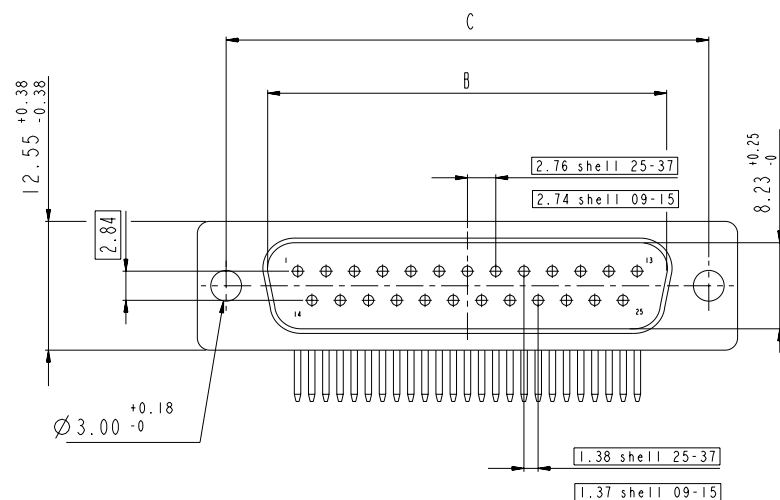
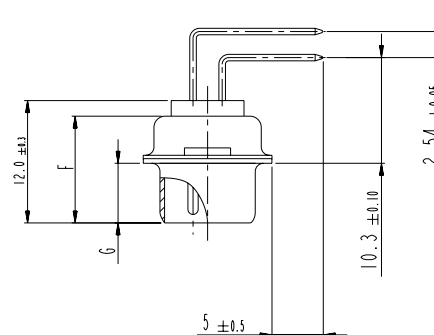
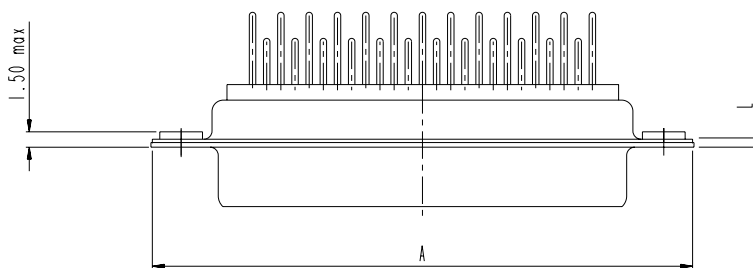
Copyright FCI



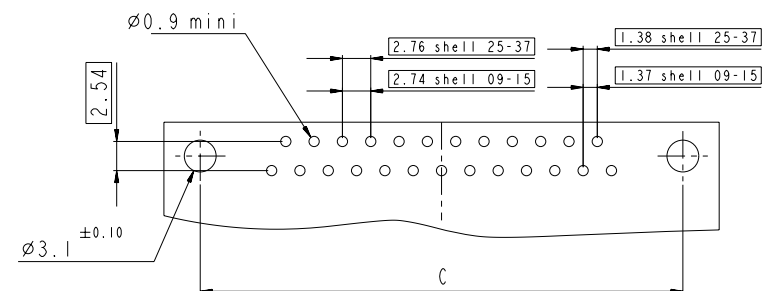
DIMENSION FOR SHELL E,A,B,C WITHOUT BRACKET

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



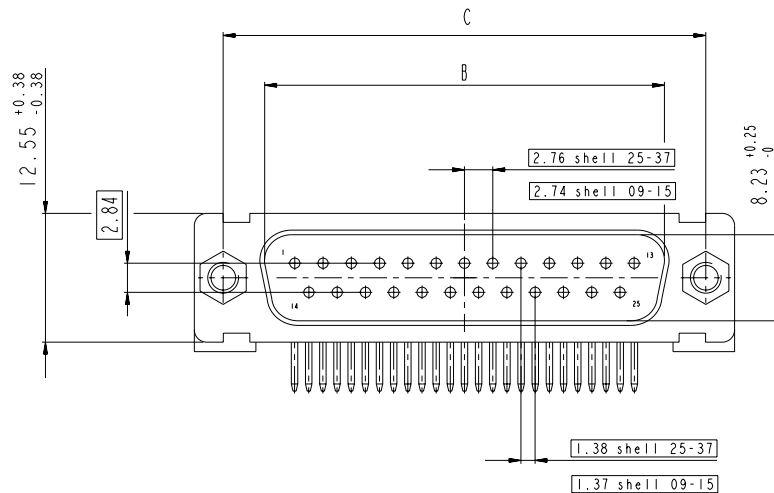
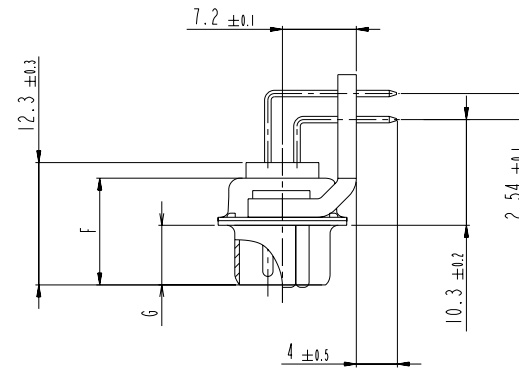
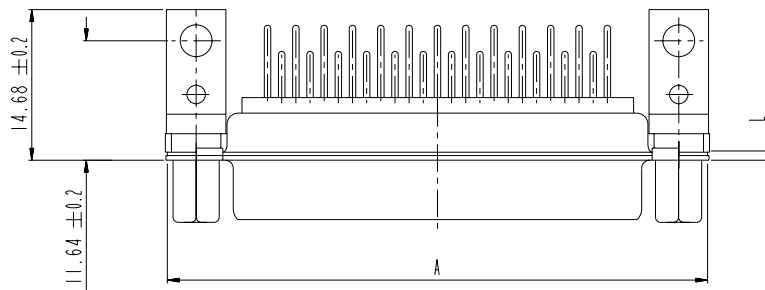
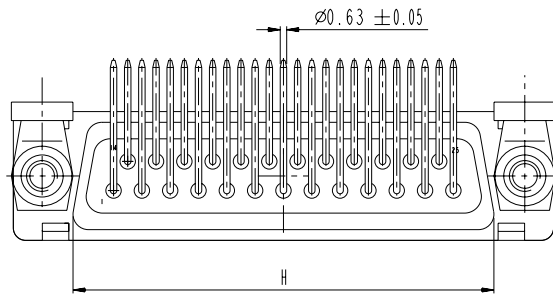
SCALE: 3

www.fciconnect.com		surface -	tolerance std	projection	mm
		ISO 1302	ISO 406	ISO 1101	
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1
Chr	P LEGARE	2006/11/14	0° ± 2°	0.XXX	±0.05
Appr	P LEGARE	2006/11/14	Product family	Spec ref	
SUB MALE DM HE508 series		C01-8637-1744		Rev. B	
with right angle contact		CUSTOMER		sheet 4 of 9	

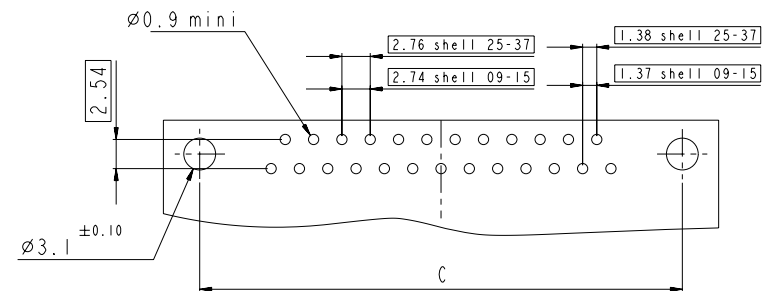
DIMENSION FOR SHELL E,A,B,C WITH METAL BRACKET

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



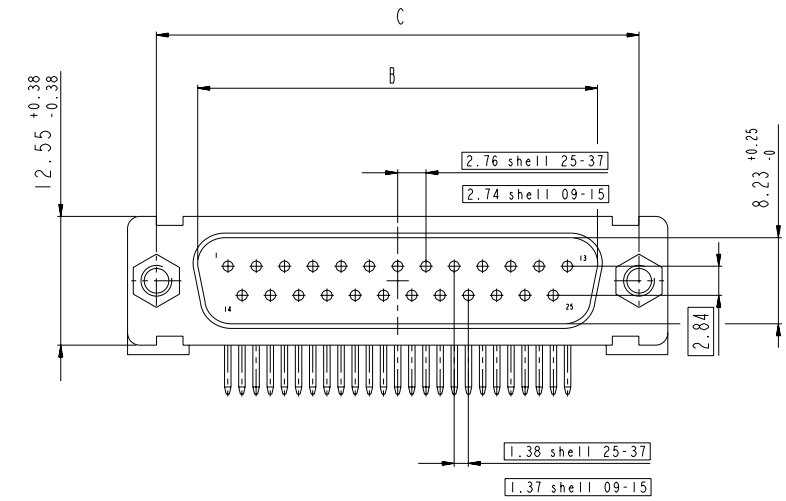
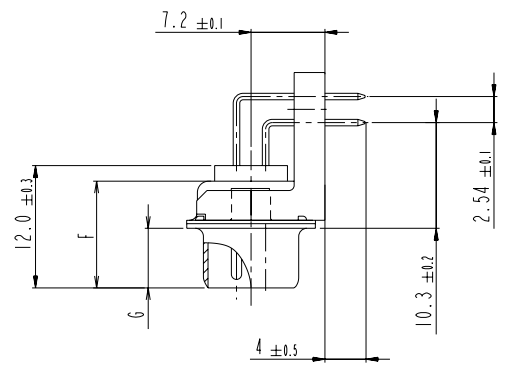
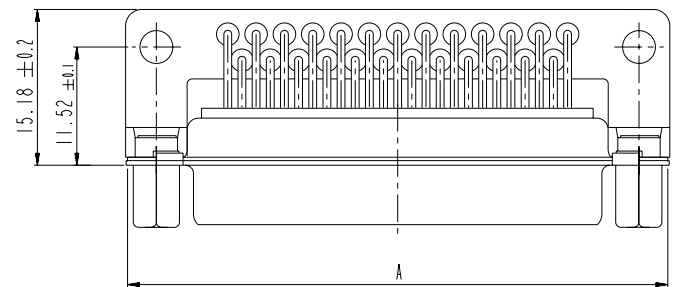
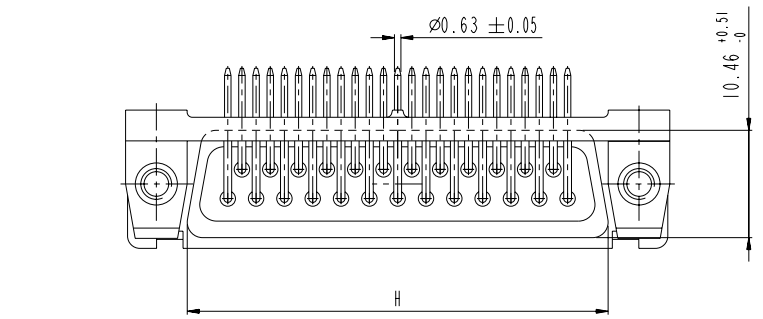
SCALE: 3

www.fciconnect.com		surface -	tolerance std	projection	mm
		ISO 1302	ISO 406	ISO 1101	
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2006/11/14	ANGULAR	0.X	± 0.3
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	± 0.1
Chr	P LEGARE	2006/11/14	0° $\pm 2°$	0.XXX	± 0.05
Appr	P LEGARE	2006/11/14	Product family	Spec ref	
SUB MALE DM HE508 series		C01-8637-1744		Rev. B	
with right angle contact		C01-8637-1744		B	
catalog no		CUSTOMER		sheet 5 of 9	

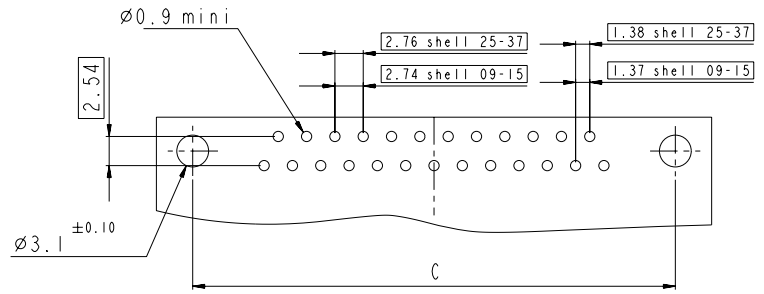
DIMENSION FOR SHELL E,A,B,C WITH PLASTIC BRACKET

Dimensions are in millimeters

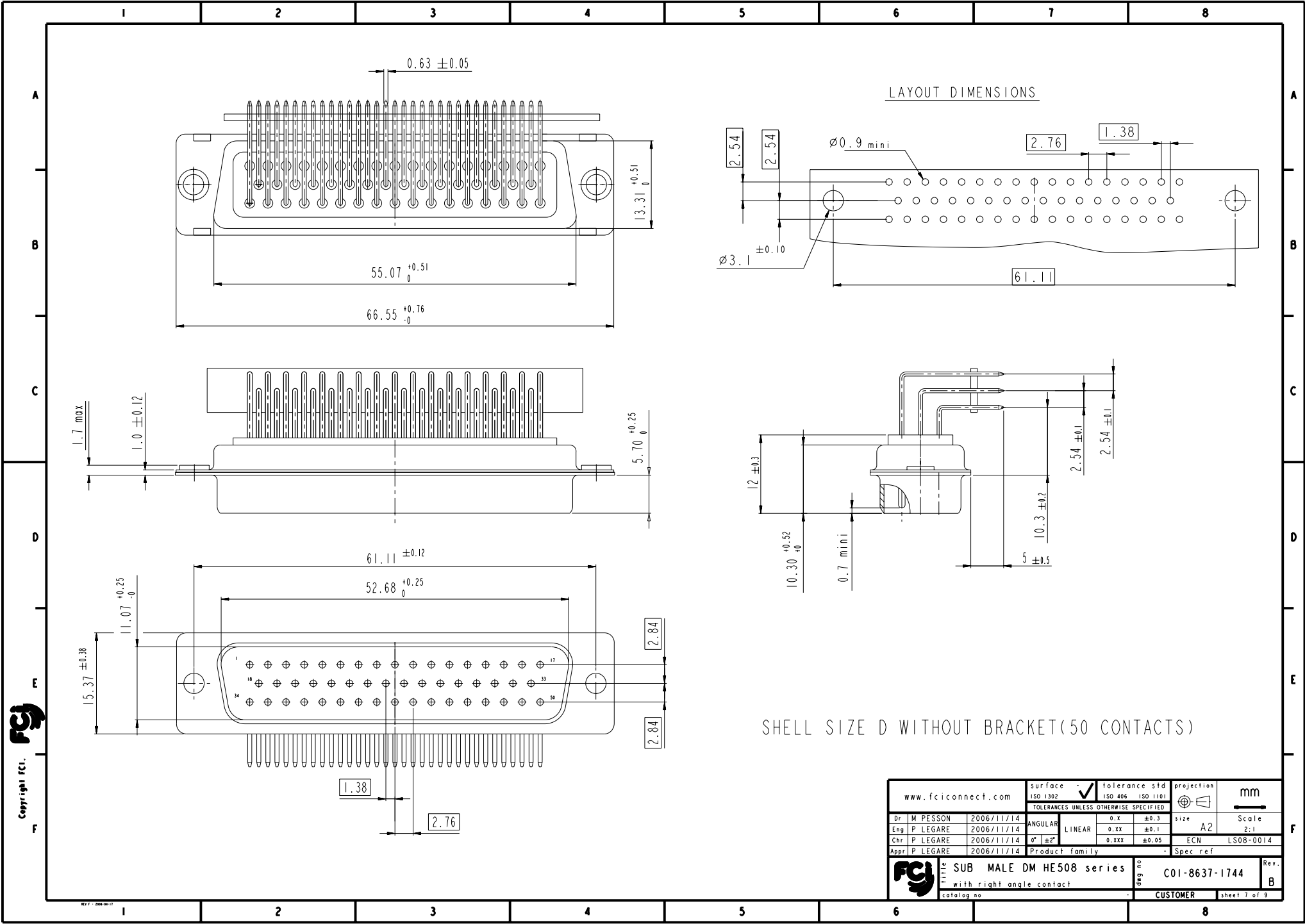
Shell size	Number of contacts	A ^{+0.76 -0}	B ^{+0.25 -0}	C ^{±0.12}	F ^{+0.57 -0}	G ^{+0.25 -0}	H ^{+0.51 -0}	L ^{+0.22 -0}
E	09	30.43	16.79	24.99	10.47	5.9 ^{+0.15 -0}	19.02	0.80
A	15	38.76	25.12	33.32	10.47	5.9 ^{+0.15 -0}	27.25	0.80
B	25	52.65	38.84	47.04	10.43	5.7 ^{+0.25 -0}	41.02	0.80
C	37	68.94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



LAYOUT DIMENSIONS

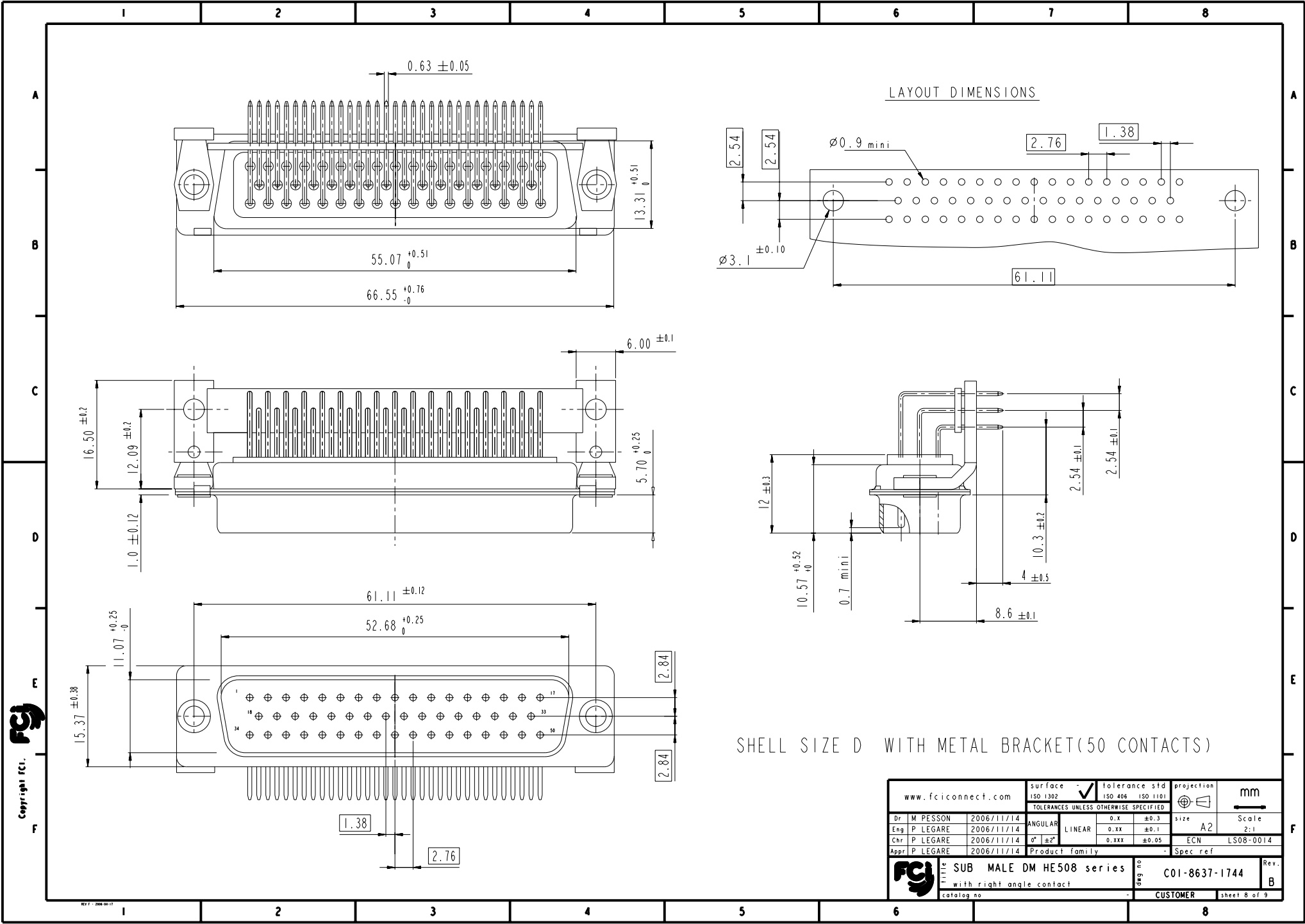


www.fciconnect.com		surface -	tolerance std	projection	mm
		ISO 1302	ISO 406	ISO 1101	
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05
Appr	P LEGARE	2006/11/14	Product family	- Spec ref	
SUB MALE DM HE508 series		C01-8637-1744		Rev. B	
with right angle contact		CUSTOMER		sheet 6 of 9	



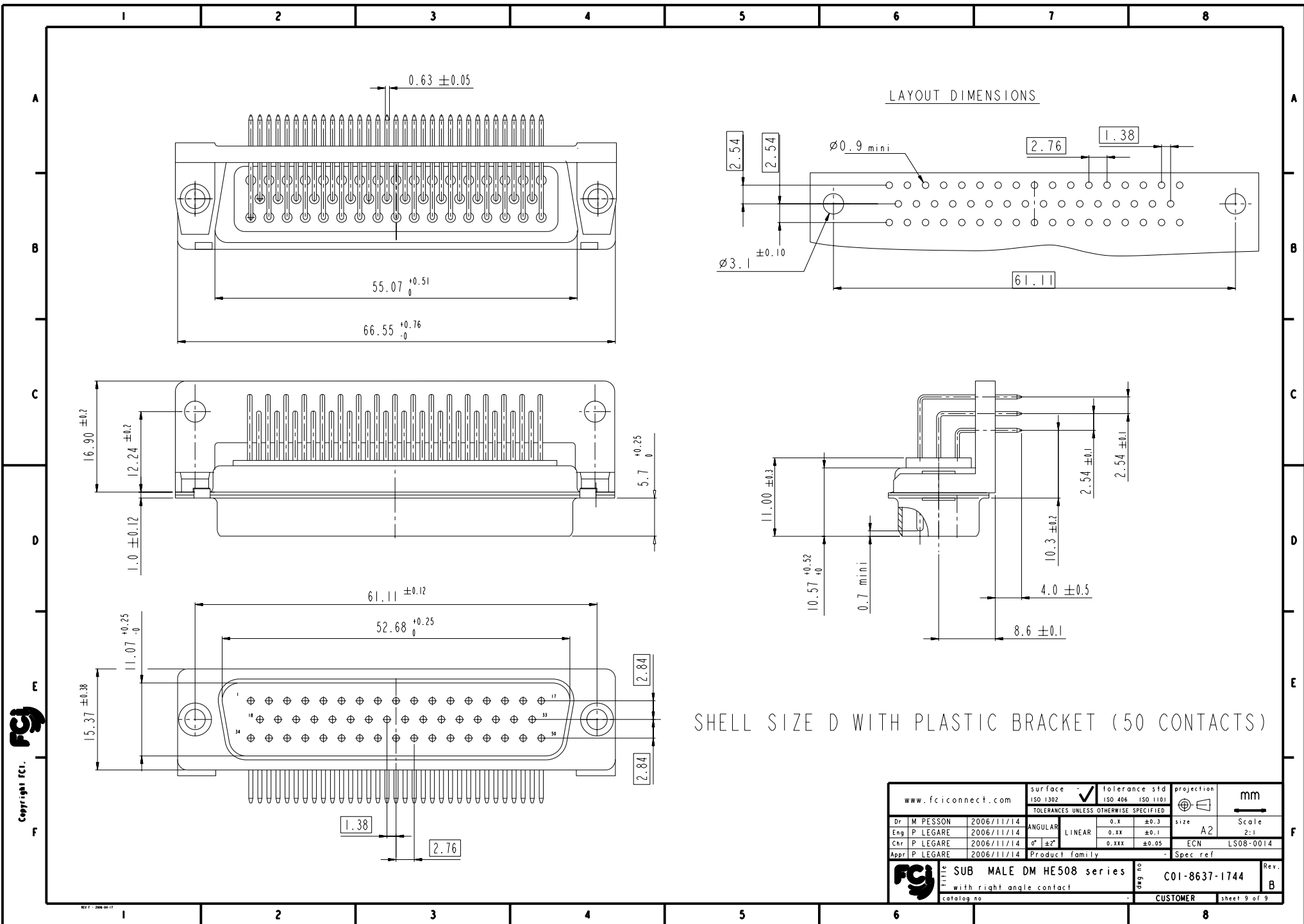
SHELL SIZE D WITHOUT BRACKET(50 CONTACTS)

www.fciconnect.com			surface  tolerance std ISO 1302 ISO 406 ISO 1101			projection 			
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 LS08-0014			
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05	Spec ref			
Appr	P LEGARE	2006/11/14	Product family			- Spec ref			
			SUB MALE DM HE508 series				C01-8637-1744		Rev. B
with right angle contact			dag no						
catalog no			CUSTOMER			sheet 7 of 9			



SHELL SIZE D WITH METAL BRACKET(50 CONTACTS)

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
Eng	P LEGARE	2006/11/14			0.XX ±0.1				
Chr	P LEGARE	2006/11/14	0° ±2°		0.XXX ±0.05	ECN	LS08-0014		
Appr	P LEGARE	2006/11/14	Product family			- Spec ref			
			SUB MALE DM HE508 series with right angle contact			part no	C01-8637-1744		Rev. B
catalog no			-			CUSTOMER		sheet 8 of 9	



SHELL SIZE D WITH PLASTIC BRACKET (50 CONTACTS)

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	
Eng	P LEGARE	2006/11/14			0.XX	± 0.1			
Chr	P LEGARE	2006/11/14	$0^\circ \pm 2^\circ$		0.XXX	± 0.05	ECN	LS08-0014	
Appr	P LEGARE	2006/11/14	Product family				Spec ref		
			Title SUB MALE DM HE508 series with right angle contact				Part no C01-8637-1744		Rev. B
catalog no			-				CUSTOMER		sheet 9 of 9



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.