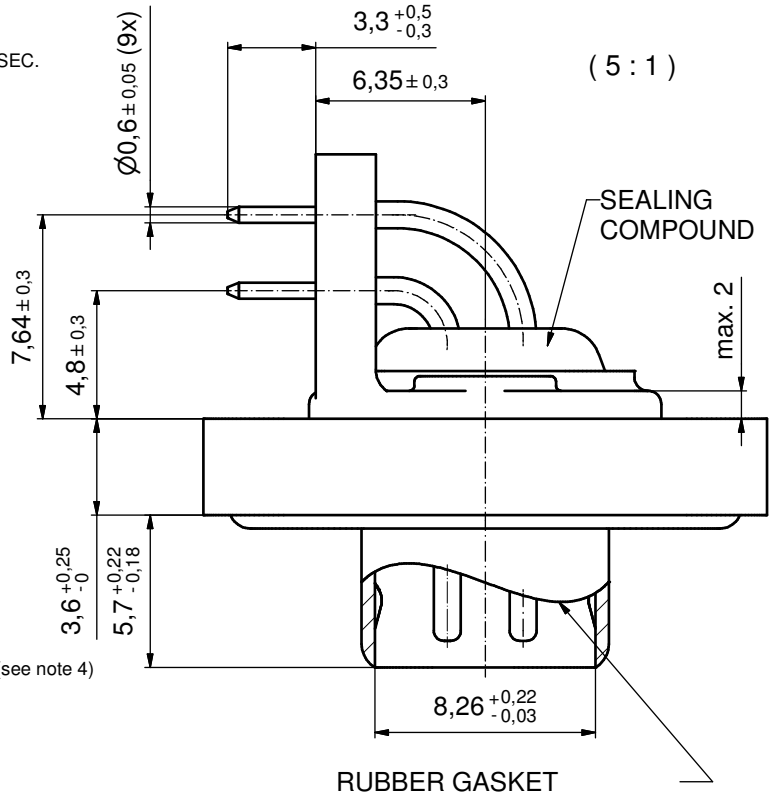
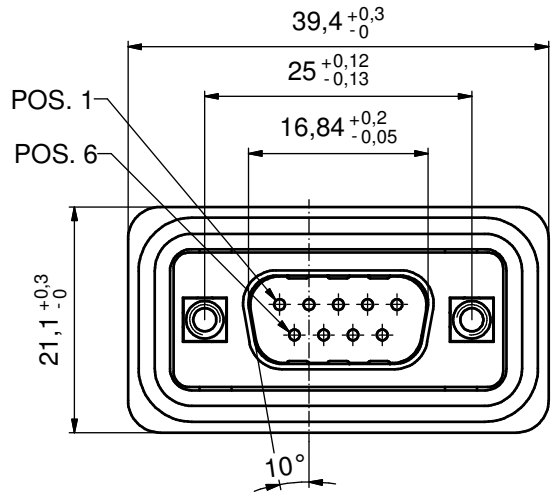
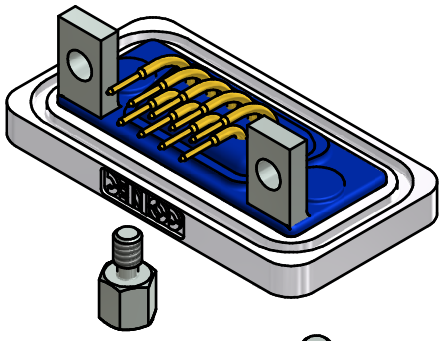
NOTES:

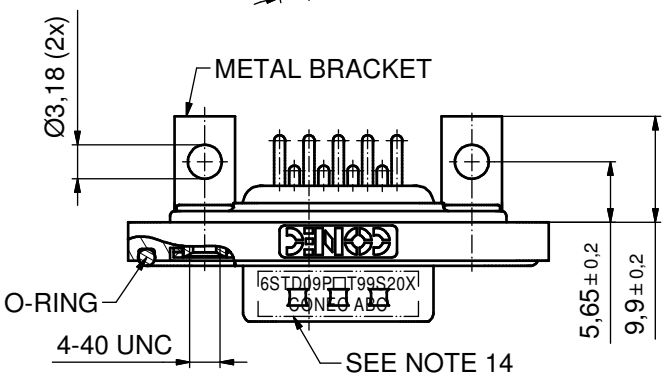
1. FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
2. METALSHELLS: COPPER ALLOY; min. 315µin TIN over 40-80µin NICKEL
3. INSULATORS: PBT GF UL 94 V-0, BLACK
4. CONTACTS: COPPER ALLOY; PLATING (SEE PART NO.):
   - ☐ PLEASE ADD A for GOLD FLASH over NICKEL (PREFERRED TYPE)
   - ☐ PLEASE ADD B for 20µin HARD GOLD over min. 50µin NICKEL
   - ☐ PLEASE ADD C for 30µin HARD GOLD over min. 50µin NICKEL
5. METAL BRACKETS: ZINC DIE CAST; 300µin COPPER/ 40-120µin NICKEL/120-200µin TIN
6. THREADED INSERTS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
7. HEXLOCKING SCREWS: STAINLESS STEEL
8. FRAME: ZINC DIE CAST; NICKEL PLATED
9. O-RING: SILICON; BLUE
10. RUBBER GASKET: TPE
11. SEALING COMPOUND: PUR; BLUE
12. P.C.B. HOLE DRILLINGS AND RECOMMENDED PANEL CUT-OUT ON SHEET 2
13. RECOMMENDED TORQUE FOR MOUNTING SCREW 35N cm (3.1 in.LB) / max. 40N cm (3.5 in.LB)
14. CONNECTOR IS PART MARKED: 6STD09P☐T99S20X CONEC ABC (see note 4)

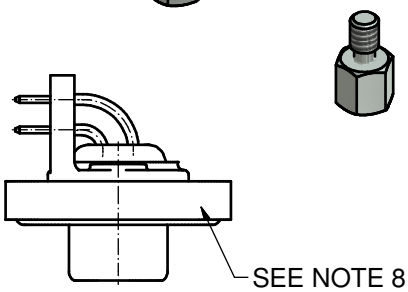


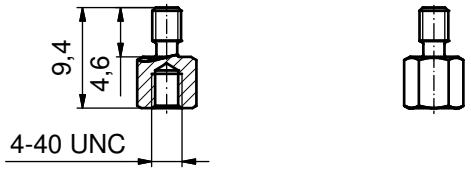
RUBBER GASKET PLACED ON TOP SURFACE OF MALE INSULATER

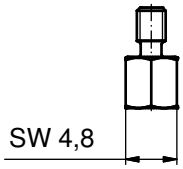












AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.

Directive 2002/95/EC RoHS compliant

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DO NOT ALTER CAD DRAWING BY HAND

rev.	description	date	name
a	Original		

tolerance: dim. in mm

	date	name
drawn	12.10.12	Henneboel
appd.	12.10.12	Fischer
norm		
d-old		

scale: 2:1 (5:1)

material: see notes

title:

D-SUB MALE 90°

9pos. SOLDER PIN ANGLED

with threaded insert, metal bracket and hex bolt

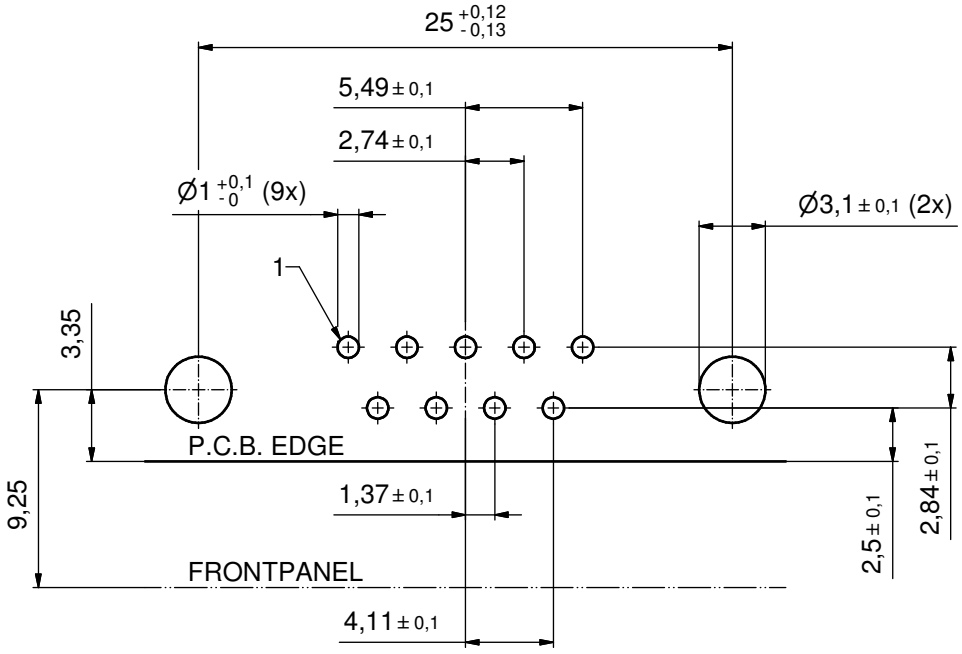
dwg no: 15K1A1189

DIN-A3

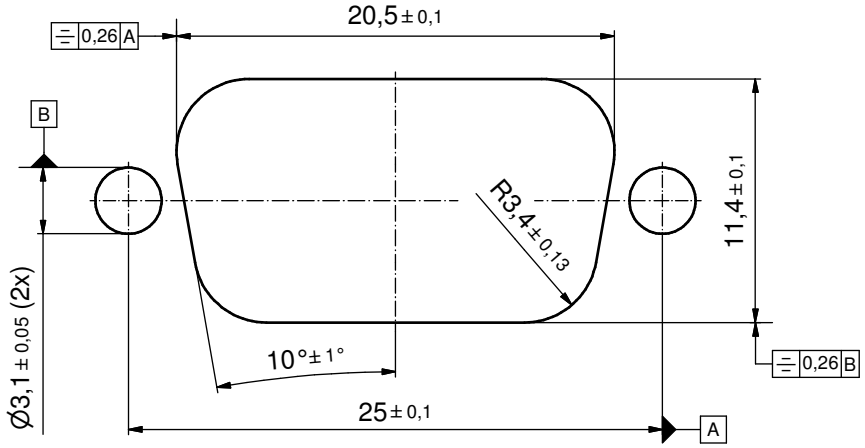
sh: 1/2

part no: 6STD09P☐T99S20X (see note 4)

P.C.B. HOLE DRILLINGS
(P.C.B. TOP SIDE)



RECOMMENDED PANEL CUT-OUT



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DO NOT ALTER CAD DRAWING BY HAND

rev.	description	date	name
a	Original		

tolerance — dim. in mm

	date	name
drawn	12.10.12	Henneboel
appd.	12.10.12	Fischer
norm		
d-old		

scale: 4:1
material: see sheet 1

title:
P.C.B. HOLE DRILLINGS
PANEL CUT-OUT
D-SUB Male 90° 9pos. Solder pin angled

dwg no: 15K1A1189
DIN-A3
sh: 2/2

part no: see sheet 1