

Technical specification:

Technische Daten:

Dielectric withstanding voltage/ Spannungsfestigkeit:	1000 V, 50 Hz 1 min.
Current rating/ Strombelastbarkeit:	Signal contact/ 3 A (UL, VDE) Signalkontakt: 2,5 A (CSA) High power contact/ 20 A Hochstromkontakt:
Insulation resistance/ Isolationswiderstand:	$\geq 5 \text{ G}\Omega$
Temperature range/ Temperaturbereich:	-55 °C ... +125 °C
Mating cycles/ Steckzyklen:	Quality class 1 = 500 Gütestufe 1 Quality class 3 = 50 Gütestufe 3

Materials/

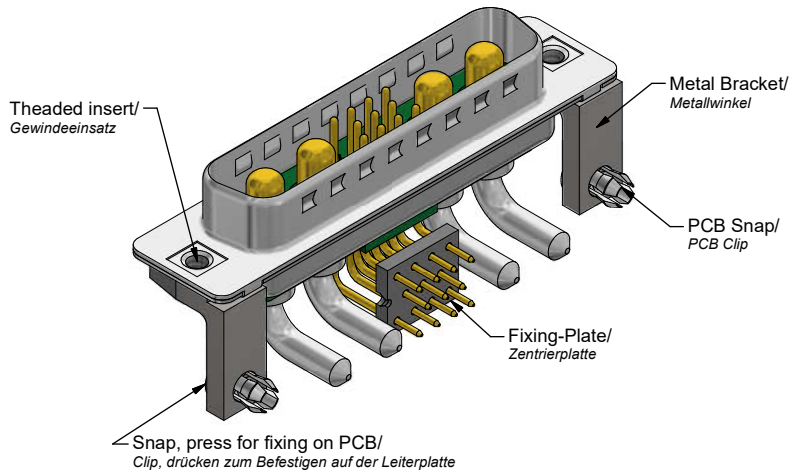
Werkstoffe:

Contact/ Kontakt:	Cu alloy, Au over Ni
Insulator/ Isolierkörper:	PBT GF UL 94 V-0, green/grün
Shell/ Gehäuse:	Fe, Sn over Ni
Metal bracket/ Metallwinkel:	GD-Zn, Cu / Ni / Sn
Threaded insert/ Gewindeeinsatz:	Cu alloy, Sn over Ni
Fixing-Plate/ Zentrierplatte:	PBT GF UL 94 V-0, black/schwarz
PCB-Snap/ PCB-Clip:	Cu alloy, Tin over Ni

Installation specification/

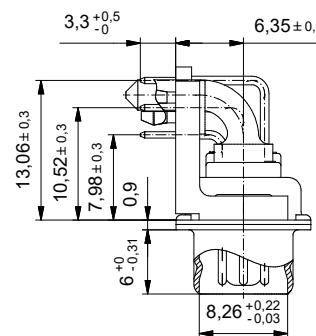
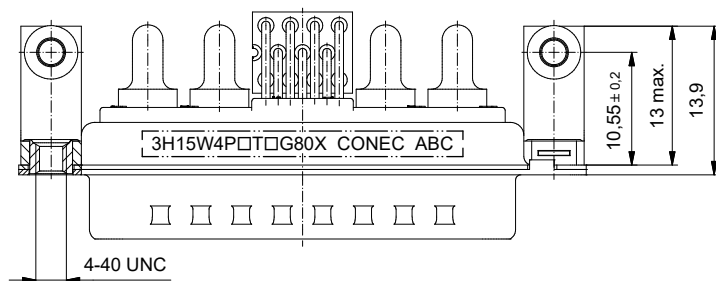
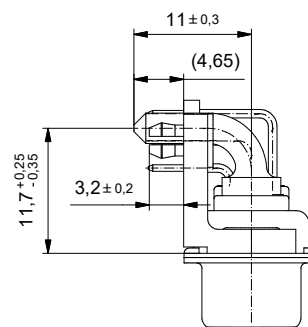
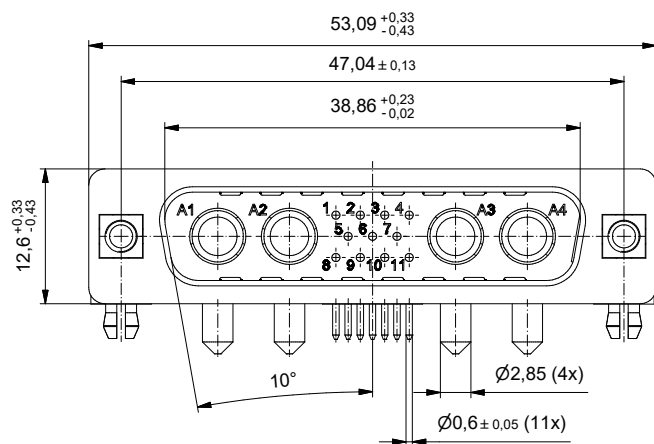
Montagedaten:

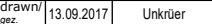
Recommended torque value for thread/ empfohlenes Drehmoment für Gewinde:	max. 6 in.LB/ max. 67 Ncm
PCB clip for hole diameter/ PCB Clip für Lochdurchmesser:	$\varnothing 3,1 \text{ mm}$
Circuit board thickness/ Leiterplattenstärke:	1,6 mm
PCB-Hole Drillings/ Leiterplattenbohrbild:	see Sheet 2/ siehe Seite 2



Part no. / Part marked Art.-Nr. / Bedruckung:	Contact plating / Kontakt Veredelung:	
	Signal contacts Signalkontakte:	gold flash over nickel Gold über Nickel
3H15W4PAT73G80X	High power contact 20A Hochstromkontakt 20A:	Plating, mating area: gold flash over nickel Veredelung, Steckbereich: Gold über Nickel Plating, termination side: 160-240 µm tin over 80 µm nickel Veredelung, Anschluss Seite: 160-240 µm Zinn über 80 µm Nickel
	Signal contacts Signalkontakte:	30 µm hard gold over min. 50 µm nickel 30 µm Gold über min. 50 µm Nickel
3H15W4PCT56G80X	High power contact 20A Hochstromkontakt 20A:	Plating, mating area: 30 µm hard gold over min. 50 µm nickel Veredelung, Steckbereich: 30 µm Gold über min. 50 µm Nickel Plating, termination side: 160-240 µm tin over 80 µm nickel Veredelung, Anschluss Seite: 160-240 µm Zinn über 80 µm Nickel
		dim. in mm
		D-SUB HD Combination Male 90° 15W4P threaded insert, metal bracket, fixing-plate and PCB-Snap D-SUB HD Combination Stifteleiste 90° 15W4P Gewindeeinsatz, Metallwinkel, Zentrierplatte und PCB-Clip
Index: Original	scale/ Maßstab:	dwg no / Z.-nr.:
Status: In Bearbeitung	2:1	13K1A5436
RoHS compliant/ konform		DIN-A3 1 / 2

Technical drawing of a PCB layout showing dimensions and tolerances. The drawing includes a top view and a side view. The top view shows a rectangular layout with a total width of $47,04 \pm 0,13$ and a total height of $12,6 \pm 0,1$. The layout features a central horizontal strip with a width of $14,48 \pm 0,1$ and a height of $8,88 \pm 0,1$. The central strip is divided into sections with widths of $7,77 \pm 0,1$, $3,429 \pm 0,1$, $2,286 \pm 0,1$, and $1,143 \pm 0,1$. The layout includes several circular features with diameters of $\varnothing 3,2 \pm 0,1$ (4x), $\varnothing 3,1 \pm 0,1$ (2x), and $\varnothing 0,9^{+0,1}_{-0}$ (11x). The layout is labeled with 'A1' and '1'. The bottom edge is labeled 'PCB Edge / Leiterplatten Kante'.



				dim. in mm		D-SUB HD Combination Male 90° 15W4P threaded insert, metal bracket, fixing-plate and PCB-Snap	
		drawn/ gez. appd./ gepr...	Date/Datum	Name		D-SUB HD Combination Stifteleiste 90° 15W4P Gewindeeinsatz, Metallwinkel, Zentrierplatte und PCB-Clip	
			13.09.2017	Unkrüer			
			14.09.2017	Lehmenkühler			
Index: Original	scale/Maßstab: 2:1			dwg no /		13K1A5436	DIN- A3
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						2 / 2	