

103W3 (Shell size 10, 3x#20, 3x#16)

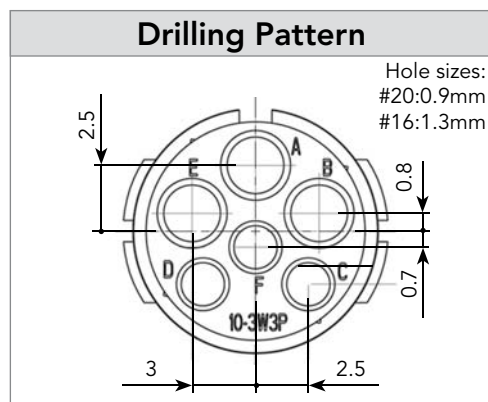
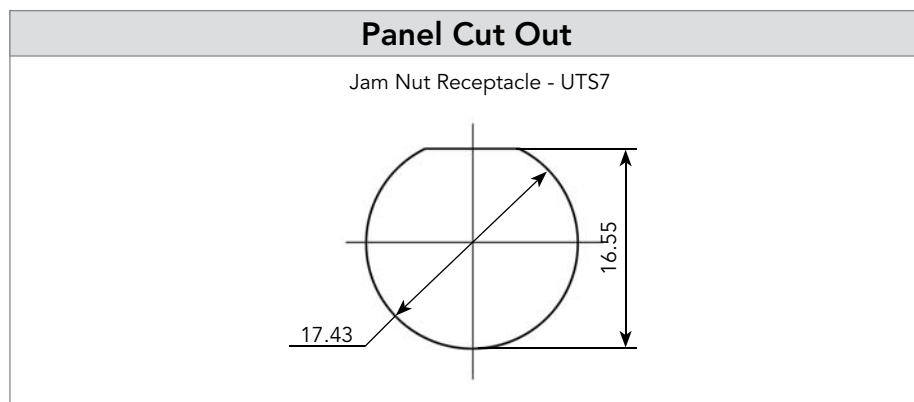
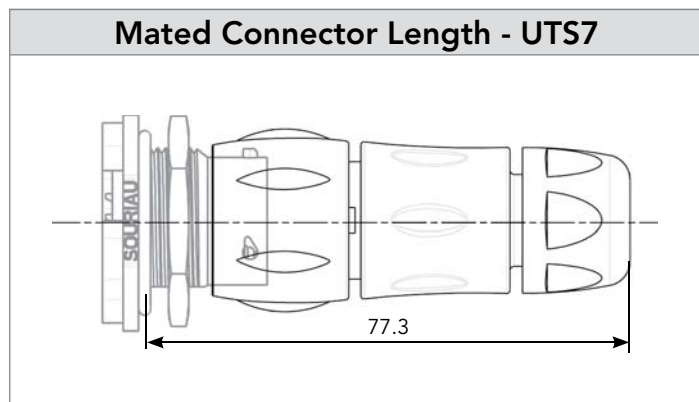
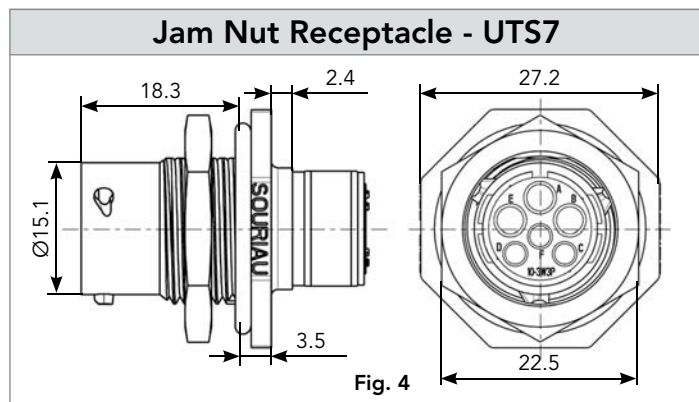
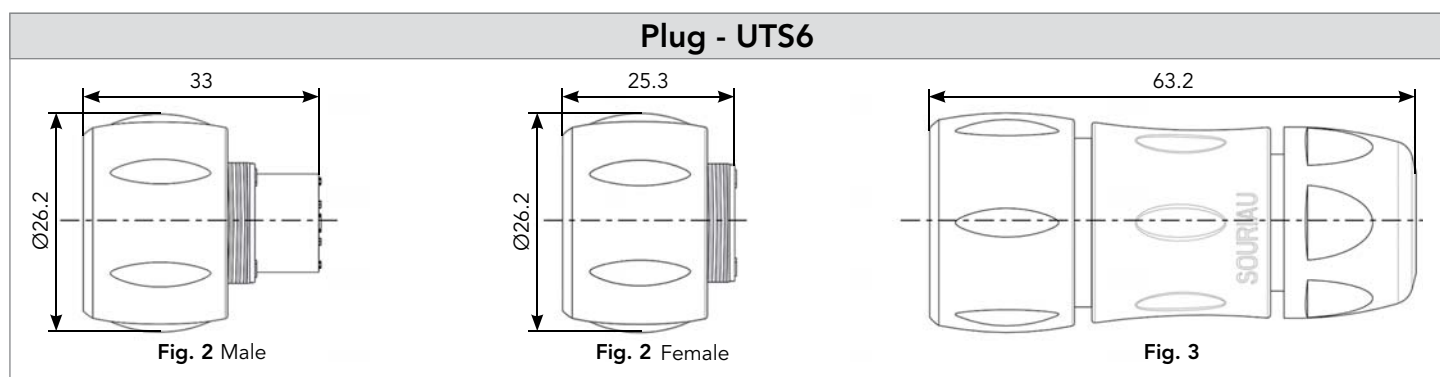
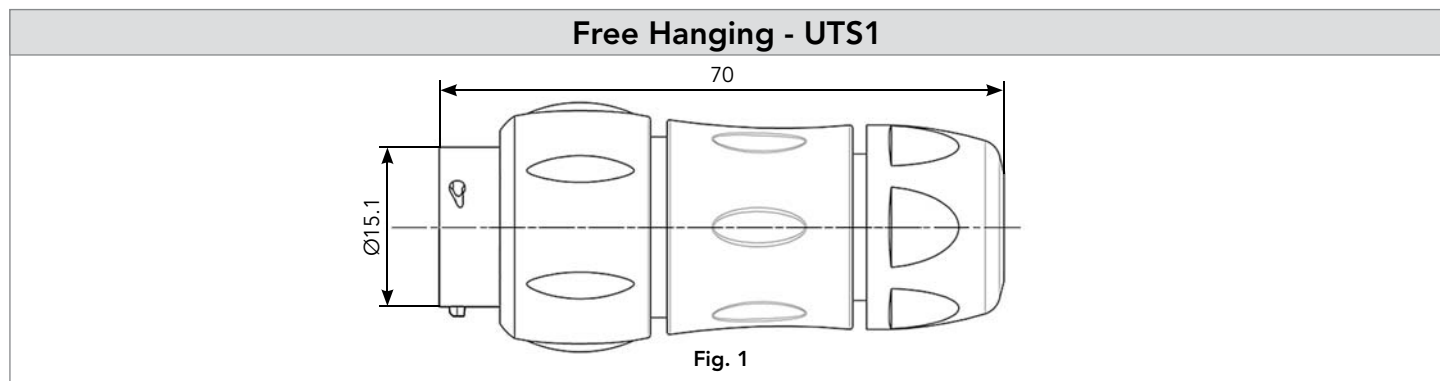


Connector Part Numbers

Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supplied separately see page 83	Free hanging receptacle	Cable gland (Fig. 1)	UTS1JC103W3P	UTS1JC103W3S
	Plug	Without (Fig. 2)	UTS6103W3P	UTS6103W3S
	Plug	Cable gland (Fig. 3)	UTS6JC103W3P	UTS6JC103W3S
	Jam nut receptacle	Without (Fig. 4)	UTS7103W3P	UTS7103W3S
PCB contacts supplied separately see page 83	Jam nut receptacle with stand off and without hold down clip	Without (Fig. 4)	UTS7103W3P	UTS7103W3S

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Dimensions



Note: all dimensions are in mm

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Accessories and Tooling

Jam Nut Sealing Caps



IP68/69K

Part number
UTS10DCG



IP68/69K

Metal terminal

Part number
UTS10DCGR

Handle



Part number
SHANDLES

Tool Kit



Part number
TOOLKIT

Plug Sealing Cap



IP68/69K

Part number
UTS610DCG

Square Flange Sealing Cap



IP68/69K

Metal terminal

Part number
UTS10DCGE

Plastic Protective Cap



Part numbers

Receptacle cap	Plug cap
85005586A	85005595

Gasket



Part numbers

UTFD12B

Crimp Tooling

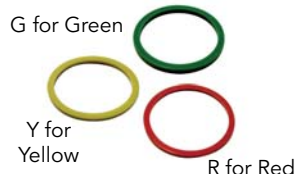


Contacts	Contact size	Part number of head
RM/RC 28M1K	Standard contacts #16 Ø 1.6mm	S16RCM20*
RM/RC 24M9K		S16RCM20*
RM/RC 20M13K		S16RCM20*
RM/RC 20M12K		S16RCM20*
RM/RC 16M23K		S16RCM16*
RM/RC 14M30K		S16RCM14*
SM/SC 24ML1TK6 ⁽¹⁾		S16SCM20*
SM/SC 20ML1TK6 ⁽¹⁾		S16SCM20*
SM/SC 16ML1TK6 ⁽¹⁾		S16SCML1*
SM/SC 14ML1TK6 ⁽¹⁾		S16SCML1*
SM/SC 16ML1TK6 ⁽¹⁾		S16SCML11*
RMDXK10D28	Coaxial contacts	M10S1J with die set & stop bushing see page 200 to 204
RCDXK1D28		
RMDX60xxD28		
RCDX60xxD28		
RM/RC DXK10D28 + york090	Standard contacts #20 Ø 1mm	S20RCM* S20RCM* S20RCM* S20SCM20* S20SCM20*
RM/RC 24W3K ⁽¹⁾		
RM/RC 20W3K ⁽¹⁾		
RM/RC 18W3K ⁽¹⁾		
SM/SC 24WL3S		
SM/SC 20WL3S		

(1): Example of plating, for other plating see page 164

*: Heads to be used with handle PN: SHANDLES

Color Coding Rings



Part numbers

Receptacles	Plugs
UTS710CCRR	UTS610CCRR
UTS710CCRY	UTS610CCRY
UTS710CCRG	UTS610CCRG

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Contacts

#16	Contact type	Wire size		Part number		Max wire Ø	Max insulator Ø
		AWG	mm ²	Male	Female		
Crimp	Machined	30-28	0.50-0.08	RM28M1K	RC28M1K	0.55	1.00
		26-24	0.13-0.25	RM24M9K	RC24M9K	0.80	1.60
		22-20	0.32-0.52	RM20M13K	RC20M13K	1.15	1.80
		22-20	0.32-0.52	RM20M12K	RC20M12K	1.15	2.20
		20-16	0.52-1.50	RM16M23K	RC16M23K	1.80	3.20
		16-14	1.50-2.50	RM14M30K	RC14M30K	2.30	3.20
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	0.13-0.25	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	-	0.90-1.60
		22-20	0.32-0.52	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	-	1.20-2.10
		18-16	0.80-1.50	SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	-	3.20
		18-16	0.80-1.50	SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	-	3.00
		14	2.50	SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	-	3.20
PCB	Machined ⁽³⁾	-	-	RM20M12E83K ⁽¹⁾	RC20M12E84K ⁽¹⁾	-	-
Coaxial	Cable Multipiece	-	-	RMDXK10D28	RCDXK1D28	-	-
	Cable Monocrimp	-	-	RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair Multipiece	-	-	RMDXK10D28 + yorok090	RCDXK1D28 + yorok090	-	-
	Twisted pair Monocrimp	-	-	RMDX60xxD28	RCDX60xxD28	-	-
Fiber optic	POF contacts (Plastic Optical Fiber)	-	-	RMPDF1000	RCPOF1000B	-	-
#20							
Crimp	Machined	26-24	0.13-0.25	RM24W3K ⁽¹⁾	RC24W3K ⁽¹⁾	0.80	1.60
		22-20	0.32-0.52	RM20W3K ⁽¹⁾	RC20W3K ⁽¹⁾	1.15	1.60
		20-18	0.50-0.93	RM18W3K ⁽¹⁾	RC18W3K ⁽¹⁾	1.30	2.10
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	0.13-0.25	SM24W3TK6 ⁽²⁾	SC24W3TK6 ⁽²⁾	-	0.90-1.60
		26-24	0.13-0.25	SM24W3S26 ⁽²⁾	SC24W3S25 ⁽²⁾	-	0.90-1.60
		22-20	0.32-0.52	SM20W3TK6 ⁽²⁾	SC20W3TK6 ⁽²⁾	-	1.20-2.10
		22-20	0.32-0.52	SM20W3S26 ⁽²⁾	SC20W3S25 ⁽²⁾	-	1.20-2.10
PCB	Machined ⁽³⁾	-	-	RMW5016K	RCW5016K	-	-

(1): Example of plating, for other plating see page 164 (2): Loose piece contact available if putting L. Example: SM20ML1TK6 (3): For dimensions see page 168 Note: all dimensions are in mm

Electrical Characteristics

UL
10A 500V UL94 V-0

CSA
7A 500V UL94 V-0

IEC
5A 32V 1.5kV 3
Temperature elevation: 50°C

UTS 103W3 Derating Curves

