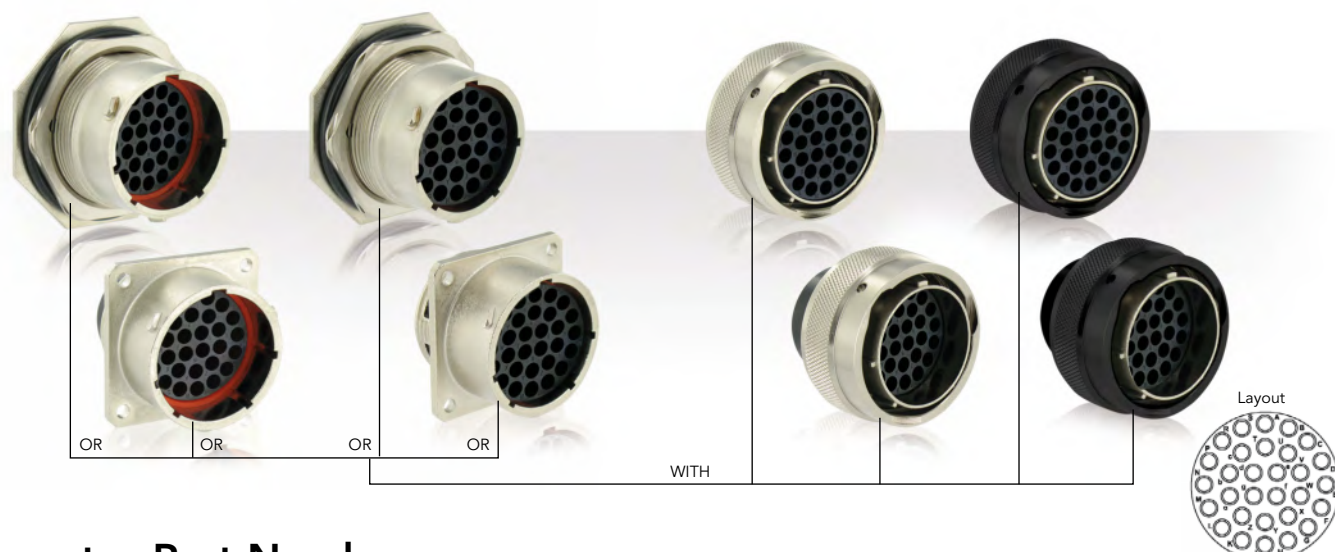


UTO Series Connector

2030 (Shell size 20, 30x#16)



Connector Part Numbers

Drilling pattern see page 178

Contact type	Connector type	Sealing	Salt spray	Part number*	
				Male insert	Female insert
Contacts supplied separately see page 95	Square flange receptacle	IP67	96h	UT002030PH	UT002030SH
		IP68 & IP69K	96h	UT002030PH6	UT002030SH6
	Plug	IP67, IP68 & IP69K	48h	UT062030PH	UT062030SH
		IP67, IP68 & IP69K	96h	UT062030PH02 (Black)	UT062030SH02 (Black)
	Jam nut receptacle	IP67	48h	UT072030PH	UT072030SH
		IP68 & IP69K	48h	UT072030PH6	UT072030SH6
		IP67	96h	UT072030PH01	UT072030SH01
		IP68 & IP69K	96h	UT072030PH601	UT072030SH601

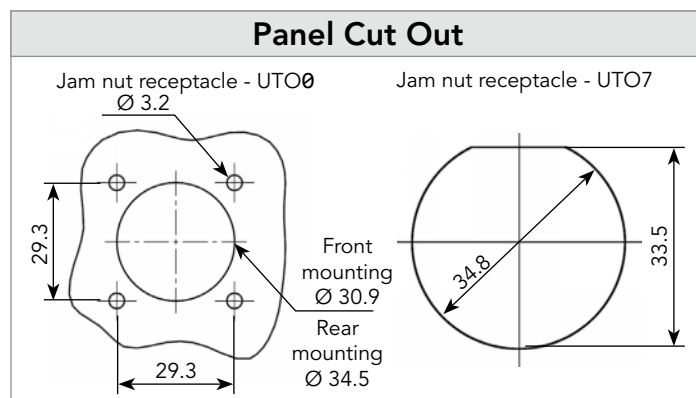
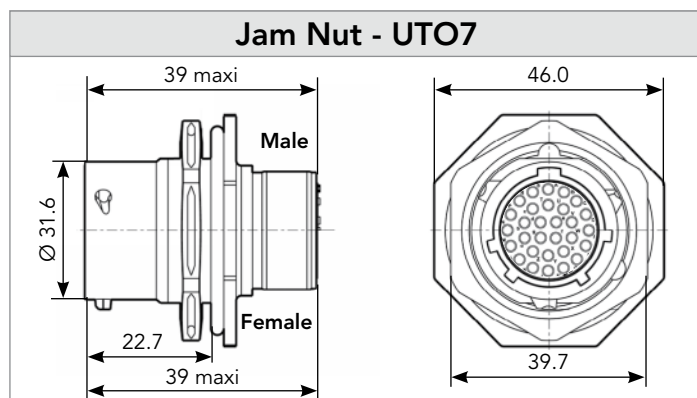
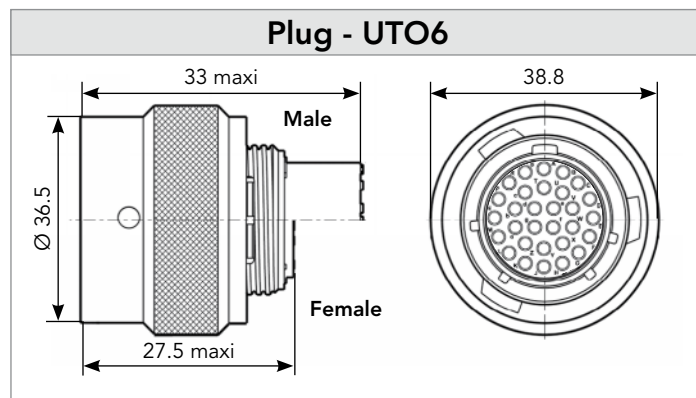
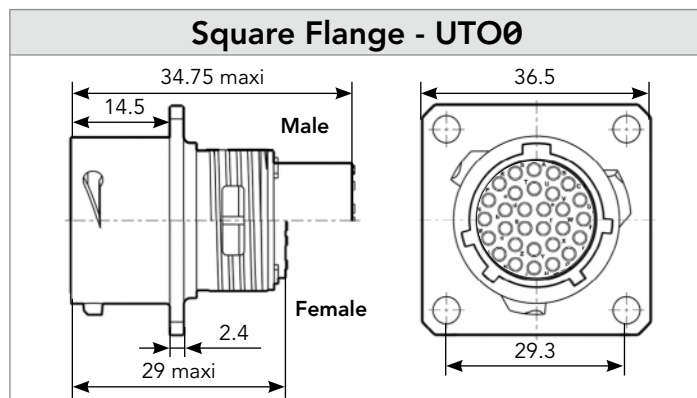
* Other discrimination keying option, see page 180

Backshells

Backshell type	Shielding	Cable range (Ø mm) min/max	Part number	
			Short version	Long version
Cable gland with strain relief nut for water protected applications (IP68 & IP69K) (Fig.1)	-	11.5/18	UT020JCS	UT020JC
Cable gland with large strain relief nut for water protected applications (IP68 & IP69K) (Fig.2)	-	15/24	UT020JCSL	UT020JCL
Shielded cable gland with strain relief nut for water protected applications (IP68 & IP69K) (Fig.3)	✓	13.5/18	UT0S20JCS	UT0S20JC
Shielded cable gland with large strain relief nut for water protected applications (IP68 & IP69K) (Fig.4)	✓	17/24	UT0S20JCSL	UT0S20JCL
Metal cable clamp with strain relief (Fig.5)	-	16.0	UT020AC	
Metal shrink boot adaptor (Fig.6)	-	-	UT020AD	
Metal right angle cable clamp with strain relief nut (Fig.7)	-	9/21	UT020LPGN	
Shielded cable clamp with plastic strain relief nut (Fig.8)	✓	9/21	UT0S20JCPGN	
Cable clamp with plastic strain relief nut (Fig.8)	-	9/21	UT020JCPGN	

2030 (Shell size 20, 30x#16)

Dimensions



Backshells (for Mated Connector Length: See Page 153)

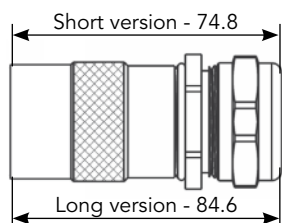


Fig. 1

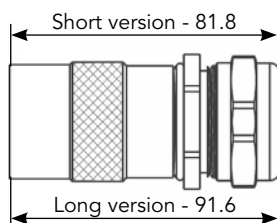


Fig. 2

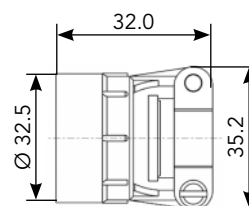


Fig. 5

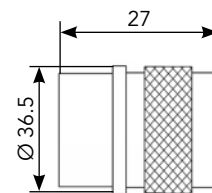


Fig. 6

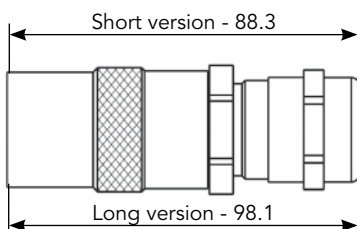


Fig. 3

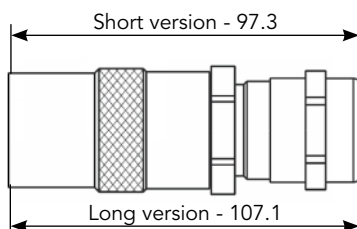


Fig. 4

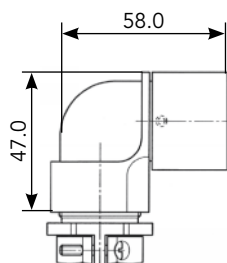


Fig. 7

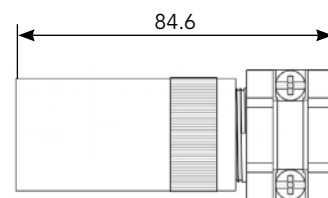


Fig. 8

Note: all dimensions are in mm

2030 (Shell size 20, 30x#16)

Accessories and Tooling

Dustcap (Receptacle)



Part number
UT020DCG*

Dustcap (Plug)



Part number
UTG620DCG*

Handle (without Head)



Part number
SHANGLES

Tool Kit



Part number
TOOLKIT

Gasket



Part number / Neoprene
UTFD17B

Dummy Contact #16



Part number / Polyamide 6.6
SMSPKE0

See page 180 for more information

Extraction Tool #16



Part number
RX2025GE1

Crimp Tooling (without Shandles)



Contacts	Contact size	Part number of head
RM/RC 28M1K ⁽¹⁾	Standard contacts #16 Ø 1.6mm	S16RCM20*
RM/RC 24M9K ⁽¹⁾		S16RCM20*
RM/RC 20M13K ⁽¹⁾		S16RCM20*
RM/RC 20M12K ⁽¹⁾		S16RCM20*
RM/RC 16M23K ⁽¹⁾		S16RCM16*
RM/RC 14M30K ⁽¹⁾		S16RCM14*
SM/SC 24ML1TK6 ⁽¹⁾		S16SCM20*
SM/SC 20ML1TK6 ⁽¹⁾		S16SCM20*
SM/SC 16ML1TK6 ⁽¹⁾		S16SCML1*
SM/SC 14ML1TK6 ⁽¹⁾		S16SCML1*
SM/SC 16ML11TK6 ⁽¹⁾		S16SCML11*
RMDXK10D28K	Coaxial contacts	M10S1J with die set & stop bushing see page 173 to 174
RCDXK1D28K		
RM/RC DX60xxD28K		
RM/RC DXK10D28 + yorK090		
RM/RC DX60xxD28		

(1): Example of plating, for other plating options see page 129
* Heads to be used with handle PN: SHANGLES

* For dustcap without chain, skip "G", e.g. UT028DC



2030 (Shell size 20, 30x#16)

Contacts

#16	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	30-28	RM28M1K ⁽¹⁾	RC28M1K ⁽¹⁾	0.55	1.00
		26-24	RM24M9K ⁽¹⁾	RC24M9K ⁽¹⁾	0.80	1.60
		22-20	RM20M13K ⁽¹⁾	RC20M13K ⁽¹⁾	1.15	1.80
		22-20	RM20M12K ⁽¹⁾	RC20M12K ⁽¹⁾	1.15	2.20
		20-16	RM16M23K ⁽¹⁾	RC16M23K ⁽¹⁾	1.80	3.20
		16-14	RM14M30K ⁽¹⁾	RC14M30K ⁽¹⁾	2.30	3.20
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	-	0.90-1.60
		22-20	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	-	1.20-2.10
		18-16	SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	-	3.20
		18-16	SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	-	3.00
		14	SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	-	3.20
PCB	Machined ⁽³⁾	-	RM20M12E8K ⁽¹⁾	RC20M12E84K ⁽¹⁾	-	-
Coaxial	Cable Multipiece	see pages 131, 168 to 174	RMDXK10D28	RCDXK1D28	-	-
	Cable Monocrimp		RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair Multipiece		RMDXK10D28 + york090	RCDXK1D28 + york090	-	-
	Twisted pair Monocrimp		RMDX60xxD28	RCDX60xxD28	-	-

(1): Example of plating, for other plating options see page 129

(2): For loose piece contact packaging, place "L" in part number. Example: SM20ML1TK6

(3): For dimensions see page 132

Note: all dimensions are in mm

Electrical Characteristics

UL
5A 500V UL94 V-0

CSA
3A 500V UL94 V-0

IEC
7A 150V 2.5kV 3

UTO 2030 Derating Curves

