

## 18X2M3 (Shell size 18, 3x#16, 2x#8)



## Connector Part Numbers

Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supplied separately see page 79	NPT threaded receptacle	Without (Fig. 1)	<b>UTS718X2M3PNPT</b>	<b>UTS718X2M3SNPT</b>
	Plug	Without (Fig. 2)	<b>UTS618X2M3P</b>	<b>UTS618X2M3S</b>
	Plug	Cable gland (Fig. 3)	<b>UTS6JC18X2M3P</b>	<b>UTS6JC18X2M3S</b>
PCB contacts supplied separately see page 79	NPT threaded receptacle	Without (Fig. 1)	<b>UTS718X2M3PNPT</b>	<b>UTS718X2M3SNPT</b>

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## Dimensions

### NPT Threaded Receptacle - UTS7

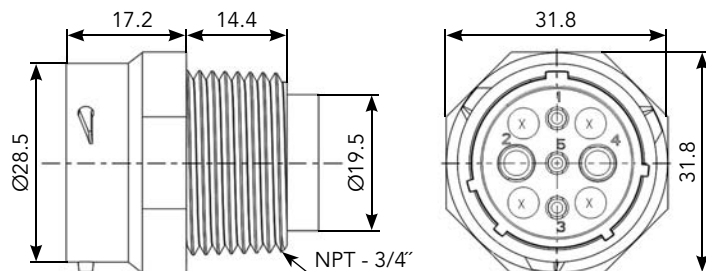


Fig. 1

### Plug - UTS6

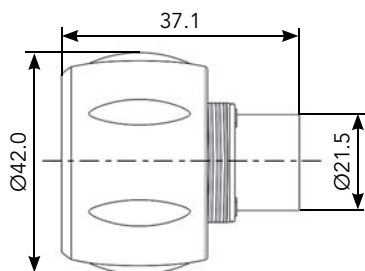


Fig. 2

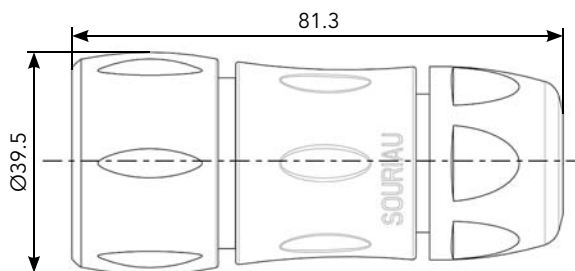
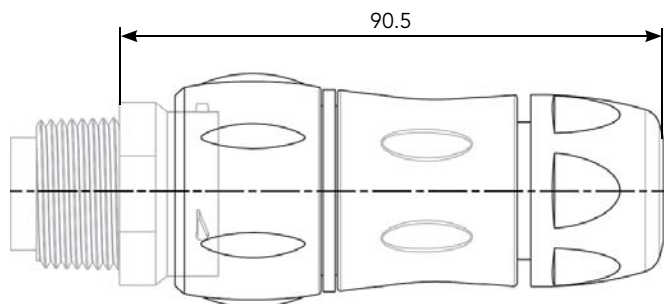
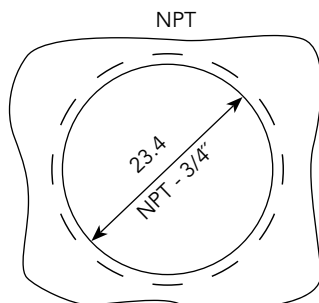


Fig. 3

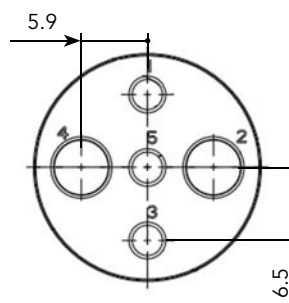
### Mated Connector Length - UTS6JC



### Panel cut



### Drilling Pattern



Note: all dimensions are in mm

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## Accessories and Tooling

### Jam Nut or NPT Threaded Receptacle Sealing Caps



IP68/69K

Part number

UTS18DCG



IP68/69K

Metal terminal

Part number

UTS18DCGR

### Plug Sealing Cap



IP68/69K

Part number

UTS618DCG

### Extraction Tool #16



Part number

RX2025GE1

### Plastic Protective Cap



Part numbers

Receptacle  
cap

85005590A

Plug cap

85005599

### Color Coding Rings

G for Green


Y for  
Yellow


R for Red

Part numbers

Receptacles

Plugs

UTS718CCRR

UTS618CCRR

UTS718CCRY

UTS618CCRY

UTS718CCRG

UTS618CCRG

### Crimp Tooling #16



Part number

SHANDLES



Part number

TOOLKIT



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 <sup>(1)</sup>		S16SCM20*
SM/SC 20ML1TK6 <sup>(1)</sup>		S16SCM20*
SM/SC 16ML1TK6 <sup>(1)</sup>		S16SCML1*
SM/SC 14ML1TK6 <sup>(1)</sup>		S16SCML1*
SM/SC 16ML11TK6 <sup>(1)</sup>		S16SCML11*

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

\*: Heads to be used with handle PN: SHANDLES

### Crimp Tooling #8



Part number hand tool

M317


Part number  
positioner + locator setting

VGE10078A

### Extraction Tool #8


Part number  
extraction tool

51060210936

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## Contacts

#16	Contact type	Wire size		Part number		Max wire Ø	Max insulator Ø
		AWG	mm <sup>2</sup>	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 <sup>(1)(2)</sup>	SC24M1TK6 <sup>(1)(2)</sup>	-	0.90-1.60
		22-20	0.32-0.52	SM20M1TK6 <sup>(1)(2)</sup>	SC20M1TK6 <sup>(1)(2)</sup>	-	1.20-2.10
		18-16	0.80-1.50	SM16M1TK6 <sup>(1)(2)</sup>	SC16M1TK6 <sup>(1)(2)</sup>	-	3.20
		18-16	0.80-1.50	SM16M11TK6 <sup>(1)(2)</sup>	SC16M11TK6 <sup>(1)(2)</sup>	-	3.00
		14	2.50	SM14M1TK6 <sup>(1)(2)</sup>	SC14M1TK6 <sup>(1)(2)</sup>	-	3.20
PCB	Machined <sup>(3)</sup>	-	-	RM20M12E83K <sup>(1)</sup>	RC20M12E84K <sup>(1)</sup>	-	-
Coaxial	Cable Multipiece	-	-	RMDXK10D28	RCDXK1D28	-	-
	Cable Monocrimp	-	-	RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair Multipiece	-	-	RMDXK10D28 + yorK090	RCDXK1D28 + yorK090	-	-
	Twisted pair Monocrimp	-	-	RMDX60xxD28	RCDX60xxD28	-	-
Fiber optic	POF contacts (Plastic Optical Fiber)	-	-	RMPOF1000	RCPOF1000B	-	-
#8							
Crimp	Machined	16	1.50	82913601A <sup>(1)</sup>	82913600A <sup>(1)</sup>	1.72	6.50
		14	2.50	82913603A <sup>(1)</sup>	82913602A <sup>(1)</sup>	2.22	
		12	4.00	82913605A <sup>(1)</sup>	82913604A <sup>(1)</sup>	2.82	
		10	6.00	82913607A <sup>(1)</sup>	82913606A <sup>(1)</sup>	3.50	
		8	10.00	82913609A <sup>(1)</sup>	82913608A <sup>(1)</sup>	4.35	
PCB	Machined <sup>(3)</sup>	-	-	82911685NPC <sup>(1)</sup>	82911684NPC <sup>(1)</sup>	-	-

(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  
44A 600V UL94 V-0

CSA  
34A 600V UL94 V-0

IEC  
32A 300V 4kV 3

### UTS 18X2M3 Derating Curves

