



TINY xlr Cable Connectors



RT3FC-B

RT4FC-B-W

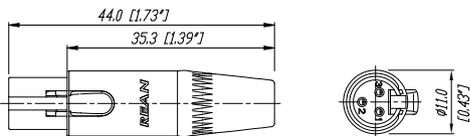
RT4FCT-B

RT3MC-B

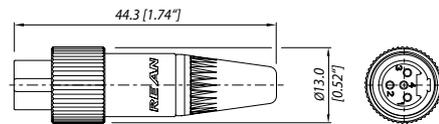
- 3, 4 and 5 pole versions available
- Easy to assemble
- Robust metal housing with best flex relief
- Shielded system – high noise immunity and EMI protection
- Intuitive and rugged locking mechanism provides secure locking system

- Millionfold proven chuck type strain relief
- Keyed insert and strain relief to avoid mispositioning/rotation of insert respectively cable
- Optional sealing boot (patent pending) on RT*FC-B for water/sweat protection if mated with RT*MP
- Optional screw locking design on RT*FCT-B for outstanding ruggedness in mated condition

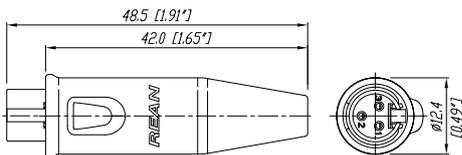
RT3FC-B



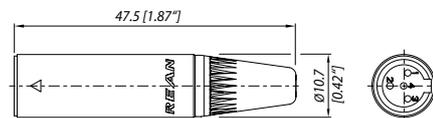
RT3FCT-B



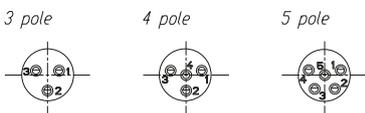
RT3FC-B-W



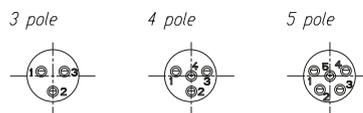
RT3MC-B



Female Pin-Layouts (front view)



Male Pin-Layouts (front view)



Ordering Information

Type No.	Description	
Cable connectors		
Female	Male	
RT3FC-B	RT3MC-B	3 pole TINY cable connector, black metal shell, gold plated contacts
RT4FC-B	RT4MC-B	4 pole TINY cable connector, black metal shell, gold plated contacts
RT5FC-B	RT5MC-B	5 pole TINY cable connector, black metal shell, gold plated contacts
RT*FC-B-D	RT*MC-B-D	TINY cable connector, black metal shell, gold plated contacts; bulk packed, to be ordered in multiples of 100 pcs.
Cable connectors female water resistant		
RT3FC-B-W		3 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts
RT4FC-B-W		4 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts
RT5FC-B-W		5 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts
RT*FC-B-W-D		TINY female cable connector, black metal shell, water resistant boot, gold plated contacts; bulk packed, to be ordered in multiples of 100 pcs.
Cable connectors female screw locking		
RT3FCT-B		3 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts
RT4FCT-B		4 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts
RT5FCT-B		5 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts
RT*FCT-B-D		TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts; bulk packed, to be ordered in multiples of 100 pcs.

Specification

Cable connectors
RT*FC-B*/RT*MC-B*

Screw locking
RT*FCT-B*

Electrical	Cable connectors RT*FC-B*/RT*MC-B*	Screw locking RT*FCT-B*
Rated current per contact	< 5 A	< 5 A
Contact resistance	< 5 mΩ	< 5 mΩ
Insulation resistance	> 1 GΩ	> 1 GΩ
Dielectric strength	> 500 V rms	> 500 V rms
Mechanical		
Lifetime	> 1'000 mating cycles	> 1'000 mating cycles
Cable O.D. range	2.0–4.5 mm	2.0–4.5 mm
Wiring	solder contacts	solder contacts
Max. wire size	0.22 mm ² / 24 AWG	0.22 mm ² /24 AWG
Material		
Bushing	ABS	ABS
Contacts	female CuSn6 / male CuZn39Pb3	CuSn6
Contact plating	Au plated	Au plated
Insert	PA 6 30% GR	PA 6 30% GR
Shell (housing)	ZnAl4Cu1	ZnAl4Cu1
Shell plating	black	black
Strain relief	PVC	PVC
Protection boot	EPDM	–
Locking nut	–	Al, black anodized
Environment		
Operating temperature	-30°C to +85°C	-30°C to +85°C
Solderability	complies with IEC68-2-20	complies with IEC68-2-20



TINY xlr Chassis Connectors



RT3MP



RT4MPR

- Front and rear mountable receptacles in 3, 4 and 5 pole design
- Watertight chassis connector, even in unmated condition
- RT*MP provides water resistant connection if mated with RT*FC-B-W

TINY xlr Adapters



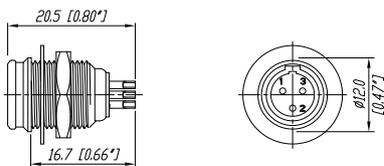
RA3FT-B



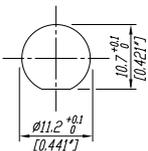
RA3MT-B

- Easy and fast solution to interconnect mini XLRs
- Rugged metal housing
- Mini XLR 3 pin to XLR-Male or XLR-Female

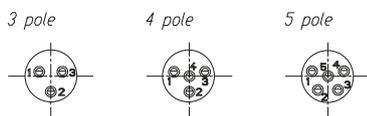
RT3MP



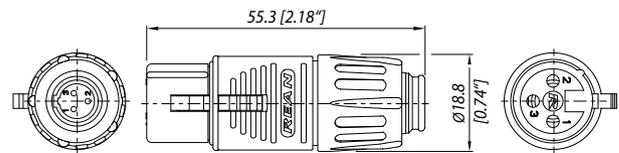
Panel Cutout



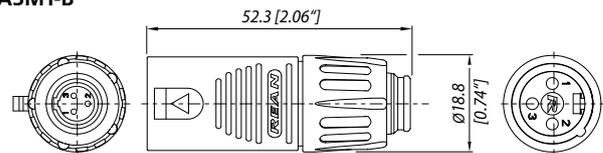
Male Pin-Layouts (front view)



RA3FT-B



RA3MT-B



Ordering Information

Type No.	Description
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Chassis connectors

RT3MP	3 pole TINY male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 6 mm
RT4MP	4 pole TINY male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 6 mm
RT5MP	5 pole TINY male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 6 mm
RT*MP-D	TINY male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 6 mm; bulk packed, to be ordered in multiples of 100 pcs.

Chassis connectors rearmountable

RT3MPR	3 pole TINY rearmountable, male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 3 mm
RT4MPR	4 pole TINY rearmountable, male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 3 mm
RT5MPR	5 pole TINY rearmountable, male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 3 mm
RT*MPR-D	TINY rearmountable male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 3 mm; bulk packed, to be ordered in multiples of 100 pcs.

Adapters

RA3FT-B	3 pole adapter TINY male to female XLR, black metall shell, gold plated contacts
RA3MT-B	3 pole adapter TINY male to male XLR, black metall shell, gold plated contacts

Specification

Chassis connectors RT*MP*

Adapters RA*T-B

Electrical

Rated current per contact	< 5 A	–
Contact resistance	< 5 mΩ	≤ 5 mΩ
Insulation resistance	> 1 GΩ	> 1 GΩ
Dielectric strength	> 500 V rms	500 V rms

Mechanical

Lifetime	> 1'000 mating cycles	> 1'000 mating cycles
Wiring	solder contacts	–
Max. wire size	0.22 mm ² / 24 AWG	–

Material

Contacts	CuZn39Pb3	female CuSn6 / male CuZn39Pb3
Contact plating	Au plated	Au plated
Insert	PA 6 30% GR	PA 6 30% GR
Shell (housing)	ZnAl4Cu1	ZnAl4Cu1
Shell plating	nickel	black

Environment

Operating temperature	-30°C to +85°C	-20°C to +65°C
Solderability	complies with IEC68-2-20	–