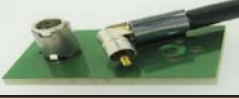











Hirose Mini Coaxial Connectors



Series Name:					
	FL	H.FL	H.FL(75)	E.FL	N.FL
Category:	Low Profile Micro-Minature Finger Lock Co-Axial	SMT Style Finger Lock Co-Axial	SMT Style Finger Lock Co-Axial	SMT Style Finger Lock Co-Axial	SMT Style Finger Lock Co-Axial
Impedance:	50Ω / 75Ω	50Ω	75Ω	50Ω	50Ω
Board Space:	Mated Height	Mated Height	Mated Height	Mated Height	Mated Height
	10.5mm	3.0mm	3.0mm	3.0mm	1.40mm
	Maximum Diameter	L (x) W	L (x) W	L (x) W	L (x) W
Configuration:	Straight surface mount receptacle	Straight surface mount receptacle	Straight surface mount receptacle	Straight surface mount receptacle	Straight surface mount receptacle
	Right angle plug	Right angle plug	Right angle plug	Right angle plug	Right angle plug
Accessories:	Extraction tool	Extraction tool	Extraction tool	Extraction tool	Extraction tool
Caps:	No	Yes	Yes	No	Yes
Plug and receptacle adaptors for inspection:	Yes	Yes	Yes	Yes	Yes
Withstanding Voltage:	250V AC for 1 minute	300V AC for 1 minute	300V AC for 1 minute	300V AC for 1 minute	200V AC for 1 minute
Contact Resistance:	10mΩ or less for both center and outer conductors (@ 1A DC)	20mΩ (Center) and 10mΩ (Outer) at 10mA DC	20mΩ (Center) and 10mΩ (Outer) at 10mA DC	20mΩ (Center) and 10mΩ (Outer) at 10mA DC	25mΩ (Center) and 25mΩ (Outer) at 10mA DC
VSWR:	1.2 Max @ DC~1.5GHz (50Ω Cable): 1.25 Max DC~500MHz (75Ω Cable)	1.3 Max @ DC~3GHz	1.35 Max @ DC~1.5GHz	1.3 Max @ DC~2GHz	1.3 Max @ DC~6GHz
Durability:	50 Cycles	50 Cycles	50 Cycles	50 Cycles	20 Cycles
Recommended Cable Diameters:	Φ3.4mm (Single Shielded) (50Ω)	Φ1.32mm (Single Shielded)	Φ1.50mm (Single Shielded) (75Ω)	Φ0.80mm (Single Shielded)	Φ0.81mm
	Φ3.4mm (Single Shielded) (75Ω)	Φ1.48mm (Single Shielded)		Φ1.32mm (Single Shielded)	
Plug Termination:	Note: We do not sell the termination tooling. Please contact your local Hirose sales office or KSM Electronics for cable assembly requirements.	Note: We do not sell the termination tooling. Please contact your local Hirose sales office or KSM Electronics for cable assembly requirements.	Note: We do not sell the termination tooling. Please contact your local Hirose sales office or KSM Electronics for cable assembly requirements.	Note: We do not sell the termination tooling. Please contact your local Hirose sales office or KSM Electronics for cable assembly requirements.	Note: We do not sell the termination tooling. Please contact your local Hirose sales office.
	Low Cost	Low Cost	Low Cost	Low Cost	Low Cost
Key Features:	High Reliability, Positive Lock	High Reliability, Positive Lock	High Reliability, Positive Lock	High Reliability, Positive Lock	High Reliability, Positive Lock
	High VSWR	Designed for automatic packaging	Designed for automatic packaging	Designed for automatic packaging	Designed for automatic packaging
Applications:	Telecom, wireless communication devices, electronic measurement instruments, GPS systems	Telecom, wireless communication devices, electronic measurement instruments, GPS systems	Telecom, wireless communication devices, electronic measurement instruments, GPS systems	Telecom, wireless communication devices, electronic measurement instruments, GPS systems	Telecom, wireless communication devices, electronic measurement instruments, GPS systems

Hirose Mini Coaxial Connectors



Series Name:					
	U.FL	U.FL(V)	W.FL	W.FL2	X.FL
Category:	SMT Style Finger Lock Co-Axial	SMT Style Finger Lock Co-Axial	SMT Style Finger Lock Co-Axial	SMT Style Finger Lock Co-Axial	SMT Style Finger Lock Co-Axial
Impedance:	50Ω	50Ω	50Ω	50Ω	50Ω
Dimensions:	Mated Height	Mated Height	Mated Height	Mated Height	Mated Height
	2.4mm	1.9mm	1.40mm	1.18mm	0.94mm
	L (x) W	L (x) W	L (x) W	L (x) W	L (x) W
Configurations:	Straight surface mount receptacle	Straight surface mount receptacle	Straight surface mount receptacle	Straight surface mount receptacle	Straight surface mount receptacle
	Right angle plug	Right angle plug	Right angle plug	Right angle plug	Right angle plug
Accessories:	Extraction tool	Extraction tool	Insertion/ Extraction tool	Insertion/ Extraction tool	Insertion/ Extraction tool
Caps:	No	No	No	No	No
Plug and receptacle adaptors for inspection:	Yes	Yes	Yes	Yes	Yes
Withstanding Voltage:	200V AC for 1 minute	200V AC for 1 minute	200V AC for 1 minute	200V AC for 1 minute	200V AC for 1 minute
Contact Resistance:	20mΩ (Center) and 10mΩ (Outer) at 10mA DC	20mΩ (Center) and 10mΩ (Outer) at 10mA DC	20mΩ (Center) and 10mΩ (Outer) at 10mA DC	20mΩ (Center) and 10mΩ (Outer) at 10mA DC	20mΩ (Center) and 10mΩ (Outer) at 10mA DC
VSWR:	1.4 Max @ DC~6GHz	1.4 Max @ DC~6GHz	1.35 Max @ DC~6GHz	1.4 Max @ DC~6GHz	1.4 Max @ DC~6GHz
Durability:	30 Cycles	30 Cycles	20 Cycles	20 Cycles	20 Cycles
Recommended Cable Diameters:	Φ0.81mm (Single Shielded)	Φ0.81mm (Single Shielded)	Φ0.81mm (Single Shielded)	Φ0.81mm	Φ0.81mm
	Φ1.00mm (Single Shielded)				
	Φ1.13mm (Single Shielded)				
	Φ1.32mm (Single Shielded)				
	Φ1.37mm (Single Shielded)				
Plug Termination:	Note: We do not sell the termination tooling. Please contact your local Hirose sales office or KSM Electronics for cable assembly requirements.	Note: We do not sell the termination tooling. Please contact your local Hirose sales office or KSM Electronics for cable assembly requirements.	Note: We do not sell the termination tooling. Please contact your local Hirose sales office.	Note: We do not sell the termination tooling. Please contact your local Hirose sales office.	Note: We do not sell the termination tooling. Please contact your local Hirose sales office.
	Low Cost	Low Cost	Low Cost	Low Cost	Low Cost
Key Features:	High Reliability, Positive Lock	High Reliability, Positive Lock	High Reliability, Positive Lock	High Reliability, Positive Lock	High Reliability, Positive Lock
	Designed for automatic packaging	Designed for automatic packaging	Designed for automatic packaging	Designed for automatic packaging	Gold plated shell and halogen free
Applications:	Telecom, wireless communication devices, electronic measurement instruments, GPS systems	Telecom, wireless communication devices, electronic measurement instruments, GPS systems	Telecom, wireless communication devices, electronic measurement instruments, GPS systems	Telecom, wireless communication devices, electronic measurement instruments, GPS systems	Telecom, wireless communication devices, electronic measurement instruments, GPS systems