

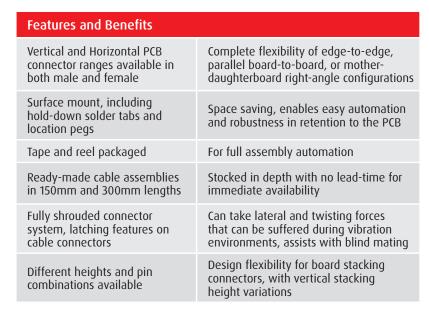
Archer Kontrol Durable High Performance Connectors

Increased reliability for industrial applications

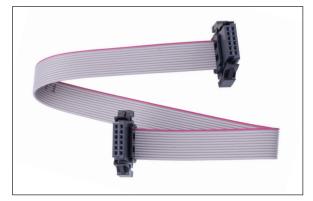
Harwin's Archer Kontrol range of compact 1.27mm pitch connectors offers a robust and flexible connection choice for your application.

Get the stacking height you need on your board-to-board application by selecting different combinations of male and female vertical connectors. Add horizontal connectors to achieve right angle or co-planar arrangements. IDC female double-ended cable assemblies give you cable-to-board flexibility.

These connectors can assist with blind mating and offer up to 1.2A per contact. Pin counts range from 12 to 80, and mated connectors can carry a data rate up to 3Gbits/s.



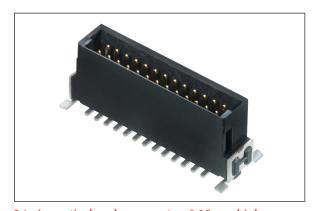
Key Applications	
Industrial equipment	Factory equipment, production line controls, drive units for large scale installations
Handheld equipment	IOT markets, portable monitoring equipment, data collection
Large scale monitoring and control	Mobile maintenance and display control systems, trackside and roadside monitoring
Automotive	Onboard charging products, battery management systems



12 contact female cable assembly with latching



12 contact horizontal female connector

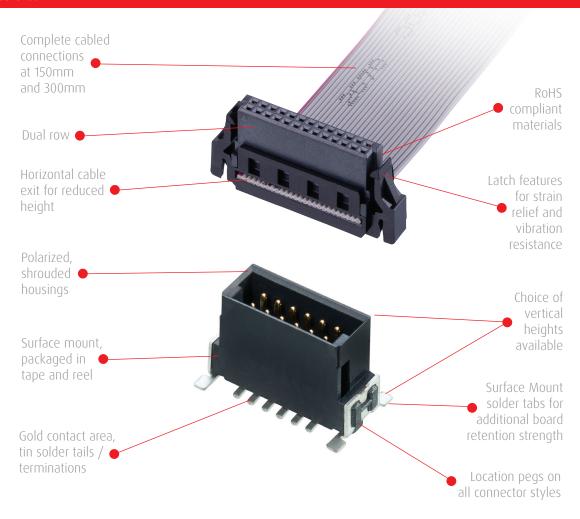


26 pin vertical male connector, 9.85mm high



HARWIN

Product Features



Specifications					
Electrical		Mechanical & Env	ironmental	Physical	
Current Rating	1.2A max (PCB), 0.5A max (cable)	Data Rate	Up to 3Gbits/s	Packaging (PCB connectors)	Tape & Reel (pick and place cap on vertical connectors)
Working Voltage	100V AC	No. of Mating Cycles	500	Contact Base Material	Phosphor Bronze
Maximum Voltage	500V AC for 1 minute	Temperature Range	-55°C to +125°C (PCB), -20°C to +105°C (cable)	Finish	Gold on contact area, tin on terminations, over nickel
Contact Resistance	25mΩ max initial	Insertion Force	2.8N max	Housing	High Temperature LCP UL94V-0
Insulation Resistance	1GΩ min	Withdrawal Force	0.2N min	Cable	PVC to UL2678, 30AWG





Vertical PCB connectors

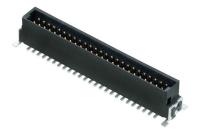
Female Vertical



M55-60hxx42R

h = Height				
Female	Male			
0 = 6.25mm	0 = 6.75mm			
1 = 9.05mm	1 = 8.25mm			
2 = 13.65mm	2 = 9.85mm			
xx = Total number of contacts				
12, 16, 20, 26, 32, 40, 50, 68, 80				

Male Vertical



M55-70hxx42R

allel PCB-to-PCB Mated Height				
Female Connector Part Number	Male Connector Part Number	Mating Height		
M55-600xx42R	M55-700xx42R	8.00mm to 9.50mm		
M55-600xx42R	M55-701xx42R	9.50mm to 11.00mm		
M55-600xx42R	M55-702xx42R	11.10mm to 12.60mm		
M55-601xx42R	M55-700xx42R	10.80mm to 12.30mm		
M55-601xx42R	M55-701xx42R	12.30mm to 13.80mm		
M55-601xx42R	M55-702xx42R	13.90mm to 15.40mm		
M55-602xx42R	M55-700xx42R	15.40mm to 16.90mm		
M55-602xx42R	M55-701xx42R	16.90mm to 18.40mm		
M55-602xx42R	M55-702xx42R	18.50mm to 20.00mm		

Horizontal PCB connectors

Female Horizontal



M55-610xx42R

xx = Total number of contacts

12, 16, 20, 26, 32, 40, 50, 68, 80

Male Horizontal



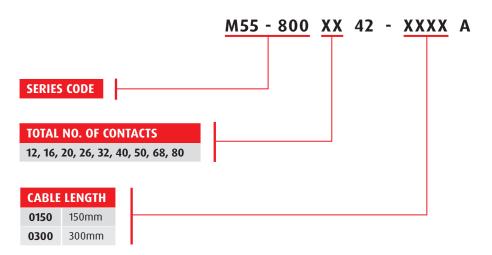
M55-710xx42R

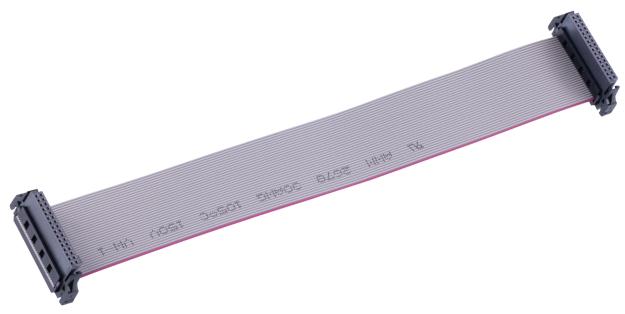
Total Mated Length for Horizontal Connectors (M55-610xx42R to M55-710xx42R): 15.80mm





Cable Assemblies





CONTACT US

Harwin Europe (Global Headquarters) Portsmouth, Hampshire, UK E: mis@harwin.co.uk T: +44 (0)23 9231 4545 Harwin Inc (Americas) New Albany, Indiana, USA E: mis@harwin.com T: +1 603 893 5376 Harwin Asia Pte Ltd (Asia, Australasia) Singapore E: mis@harwinasia.com T: +65 6 779 4909