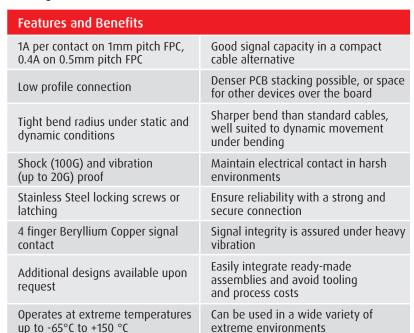


High Reliability Flex Printed Circuit Assemblies Datamate J-Tek and Gecko

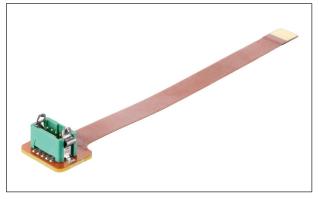
Flexible Printed Circuit fitted with 2mm and 1.25mm pitch connectors

Discover the added versatility of flexible printed circuits (FPC) from Harwin. These low profile designs combine the go-anywhere routing of cables with the reduced vertical space required by SMT connectors. When you replace standard cable connectors with these flex-mounted SMT connections, you'll be able to stack your PCBs closer. The FPC design allows for a right-angled connection.

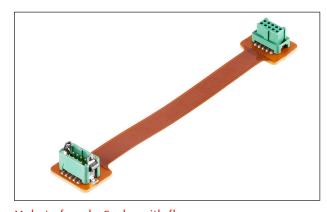
Choose between Datamate J-Tek for 2mm pitch connectors and 1mm pitch FPC, or Gecko for 1.25mm pitch connectors and 0.5mm pitch FPC. Standard 10-contact assemblies in single- and double-ended designs are available from stock – contact Harwin to specify other options. Stainless steel jackscrews are fitted to the Datamate connectors and latches to the Gecko, ensuring secure connection under duress.



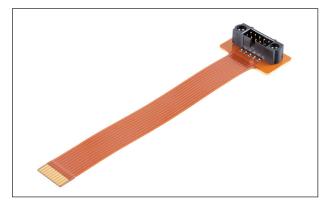
Key Applications					
Aviation	Flight control systems, Gimble cameras, Radar and tracking, flight surface controls				
Motorsport & Electric Vehicles	Navigation, GPS and tracking equipment, communications and telemetry, camera systems, ERS controls				
Space	Satellites & CubeSats, radar, communications, launch systems				
Defense & Security	UAVs, ground communications, rugged vehicle electronics, handheld portable equipment				



Male 5+5 Gecko SMT connector



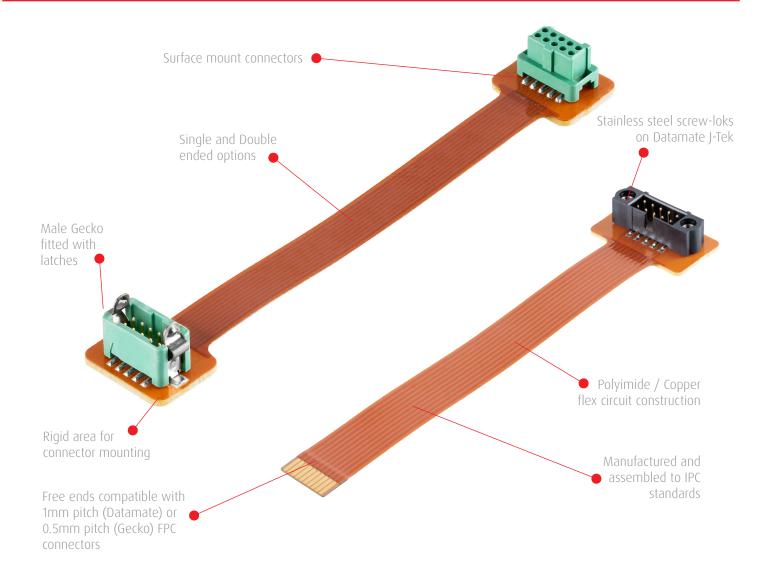
Male to female Gecko with flex



Male Datamate J-Tek single ended

HARWIN

Product Features



Specifications						
Electrical		Mechanical		Physical		
Current rating (Datamate)	1A per track	Minimum Static Bend Radius	1.85mm	Flexible Printed Cable	Polyimide base, Copper clad with Bonded overlay	
Current rating (Gecko)	0.4A per track	Minimum Dynamic Bend Radius	3.70mm	Rigid Areas	0.8mm HTG FR4	
All other specifications as Datamate (C005XX) and Gecko (C125XX) Component Specifications				Finish	ENIG on exposed copper	

HARWIN

Datamate J-Tek

- Single-ended Flex assembly, free end suitable for FPC connection – 100mm overall length
- 5+5 Male double row SMT connector with internal jackscrews fitted



Part No. M80-F150210-100-L

Gecko with Latches

- Single-ended Flex assembly, free end suitable for FPC connection – 75mm overall length
- 5+5 Male double row SMT connector with latches fitted



G125-F1MS110-075-L

- Double ended Flex assembly, male to female 75mm overall length
- 5+5 Male double row SMT connector with latches fitted
- 5+5 Female double row SMT connector compatible with latches



Part No. G125-F1MS110-075-FS1

Other products available

■ Gecko De-latching tools, to assist unmating



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