

## Features and Benefits

The Euromod modular system provides a flexible and versatile method of installation, allowing the user the choice of installing as many data outlets as required. The module is compatible with the Euromod range of wallplates and its angled design reduces patch cord bend radius, essential for C6 installations.

The Angled Euromod II module features the DataGate Category 6 connector. This superior RJ45 IDC includes a unique integral shutter that not only protects the connector from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The DataGate connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the DataGate Category 6 connector has been designed to exceed the highest electrical performance standards in the industry and has been independently tested and verified by ETL SEMKO for Category 6 component compliance. The DataGate connector is also backwards compatible with C5E systems.

- 25 x 50mm fascia
- Shuttered RJ45 DataGate connector
- Protected labelling facility
- Euromod wall plate compatible
- Angled fascia

## Commercial Standards

TIA/EIA-568-B.2-1, FCC Subpart F 68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002

## Pending Approvals

UL-1863 (Pending)  
CSA (Pending)  
ETL Verified for Category 6 Component Compliance

## Technical Information

### Mechanical Characteristics

**Jack Connector**  
Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent  
Operating Life: Minimum 750 insertion cycles  
Contact Material: Copper Alloy  
Contact Plating: 1.27 micrometres Au/Ni  
Contact Force: 100g minimum  
Plug Retention Force: 6.8kg.

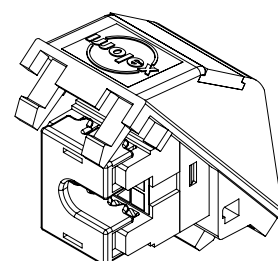
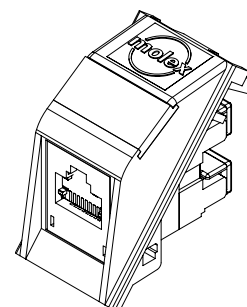
**IDC Connector**  
Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent  
Operating Life: Minimum 20 reterminations  
Contact Material: Copper Alloy  
IDC Contact Plating: Tin/Lead Plate  
Contact Force: 100g minimum  
Wire Accommodation: 22-24 AWG solid

### Electrical/Optical Characteristics

Interface Resistance: 20mΩ  
Initial Contact Resistance: 2.5mΩ  
Insulation Resistance: >100 MΩ

Minimum Backbox Depth Requirement: 25mm

Termination Tool: 110  
Shipping Weight: 325g (Pk of 20)

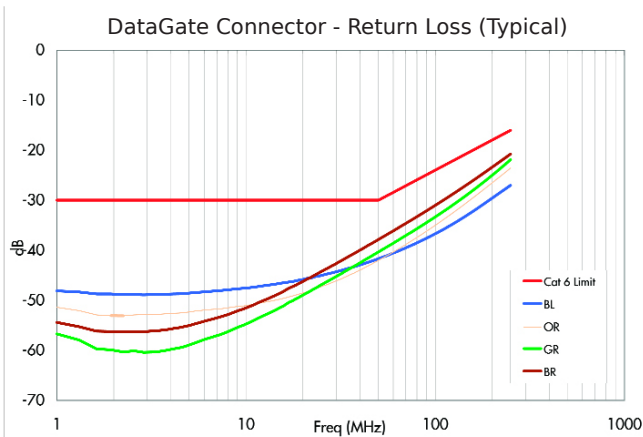
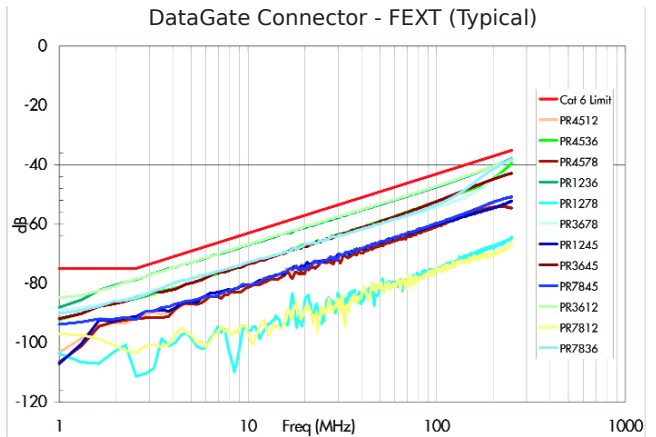
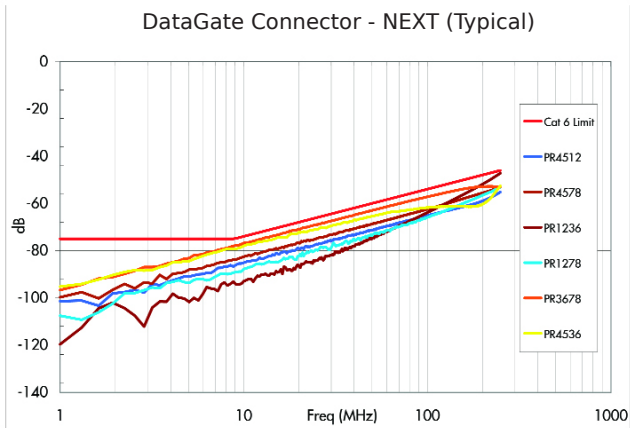


## MOLEX PREMISE NETWORKS

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DataGate Worst Case (dB)									
Frequency (MHz)	NEXT		FEXT		Return Loss		Insertion Loss		
	SPEC	MOLEX	SPEC	MOLEX	SPEC	MOLEX	SPEC	MOLEX	
1	-75.0	-95.3	-75.0	-84.9	-30.0	-48.1	-0.10	-0.02	
4	-75.0	-85.3	-71.1	-75.0	-30.0	-48.8	-0.10	-0.02	
8	-75.0	-79.1	-65.0	-68.9	-30.0	-47.9	-0.10	-0.02	
10	-56.1	-77.2	-63.1	-67.1	-30.0	-46.7	-0.10	-0.02	
16	-69.9	-73.0	-59.0	-62.9	-30.0	-43.1	-0.10	-0.02	
20	-68.0	-70.8	-57.1	-60.8	-30.0	-41.3	-0.10	-0.02	
25	-66.0	-68.9	-55.1	-59.1	-30.0	-39.3	-0.10	-0.02	
31.25	-64.1	-67.2	-53.2	-57.2	-30.0	-37.4	-0.11	-0.02	
62.5	-58.1	-61.1	-47.2	-51.4	-28.0	-31.2	-0.16	-0.03	
100	-54.0	-57.3	-43.1	-47.2	-24.0	-26.9	-0.20	-0.05	
200	-48.0	-50.7	-37.1	-40.5	-18.0	-20.2	-0.28	-0.07	
250	-46.0	-48.7	-35.1	-38.0	-16.0	-18.2	-0.32	-0.09	

NOTE:  
Performance values shown in dB.  
For NEXT, FEXT and Return Loss: the higher the negative value the better the performance (e.g. -73.0 better than -69.9)  
For Insertion Loss: the lower the negative value the better the performance (e.g. -0.02 better than -0.10)

**ORDERING INFORMATION**

Order No.	SAP No.	Description
MEU-00056-02	Consult Molex	PowerCat 6 Angled Euromod II Module, UTP RJ45 568A/B - White



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