



2.54mm (.100") Pitch C-Grid™ /SL™ Modular Interconnect System

- Wire-to-wire, wire-to-board and board-to-board applications
- Positive Latching System
- Three Termination Methods: Crimp, IDT, FFC Cable Piercing
- Through Hole and SMT Configurations

molex
C-Grid™ / SL™ Modular Interconnect System
2.54mm (.100") Pitch

	Description	Specifications	Materials	Circuits/Wire Gauge	Options	Series No.	990 Catalog Pages
Terminals							
	Female Crimp Terminal	3.0 A, 250V -40 to +105°C	Phosphor Bronze	22-30 AWG	Bag or Reel	70058 (Standard)	A-28
	Male Crimp Terminal					71851 (High Force)	A-29
						70021	A-27
Housings							
	Crimp Housing (to be used with female terminals)	3.0 A, 250V -40 to +105°C	Housing: Black glass-filled polyester, UL 94V-0	2-25	Single Row	70066	A-30 to A-34
	Crimp Housing (to be used with male terminals)			4-54	Dual Row	70450	A-35
				2-25	Single Row	70107	A-62, A-63
	Modular Branch	3.0 A, 250V -40 to +105°C	Housing: Black glass-filled polyester, UL 94V-0	2-25	Single Row	70018, 70104	A-64, A-65
	Interim Clip			6-50	Dual Row	70022	A-66
				4-25	Single Row	70004	A-67
				6-50	Dual Row	70013	A-68
Assemblies							
	Insulation Displacement Single Row Assembly	1.2A - 28 AWG 1.8A - 26 AWG 3.0A - 22 AWG 3.0A - 24 AWG -40 to +105°C	Housing: Black glass filled polyester, UL 94V-0	2-25	Female	70400	A-42 to A-46
					Male	70475	A-48
	FFC/FPC Single Row Assembly	2.0A, 250V -40 to +105°C	Housing: Black glass filled polyester, UL 94V-0		Female	70430	F-43 to F-46
					Male	70431	F-42
Headers*							
	Vertical Shrouded Header	3.0 A, 250V -40 to +105°C	Housing: Black glass-filled PCT, UL 94V-0	2-25	Single Row	70543, 70541, 70545, 74190, 70563, 70565	A-49 to A-51, A-54 to A-55
	Right Angle Shrouded Header					70553, 70551, 70555, 70634, 70573, 70575	A-52, A-53, A-56, A-57
	Vertical Unshrouded Breakaway Header	3.0 A, 250V -40 to +105°C	Housing: Glass-filled polyester or high temperature thermal plastic, UL 94V-0	4-80	Dual Row	8624, 70280, 70287, 70260, 71308	A-69 to A-73
	Right Angle Unshrouded Breakaway Header					70203, 71764, 70524, 70216, 70289	A-74 to A-78
	Vertical Shrouded Header	3.0 A, 250V -40 to +105°C	Housing: Glass-filled polyester or high temperature thermal plastic, UL 94V-0	6-72	Dual Row	8723, 70227, 70567, 70568, 71349, 70204	A-81, A-83 to A-85
	Right Angle Shrouded Header		Housing: Glass-filled polyester or glass-filled nylon, UL 94V-0			8724, 70229	A-82, A-86
	Dual Body Unshrouded Breakaway Header	3.0A, 250V -40 to +105°C	Housing: Glass-filled polyester, UL 94V-0	2-40	Single Row	70345	
					Dual Row	70268	A-89
Receptacles							
	Vertical PCB Receptacle	2.5A, 250V -40 to +105°C	Housing: Black glass-filled polyester or LCP, UL 94V-0	4-80	Dual Row	70182, 70852, 71850, 71395, 71840, 70192, 70854	A-91 to A-95
	Right Angle PCB Receptacle		Housing: High temperature thermal plastic, UL 94V-0			8-130	71979 (SMT)
							71973 (Through Hole)

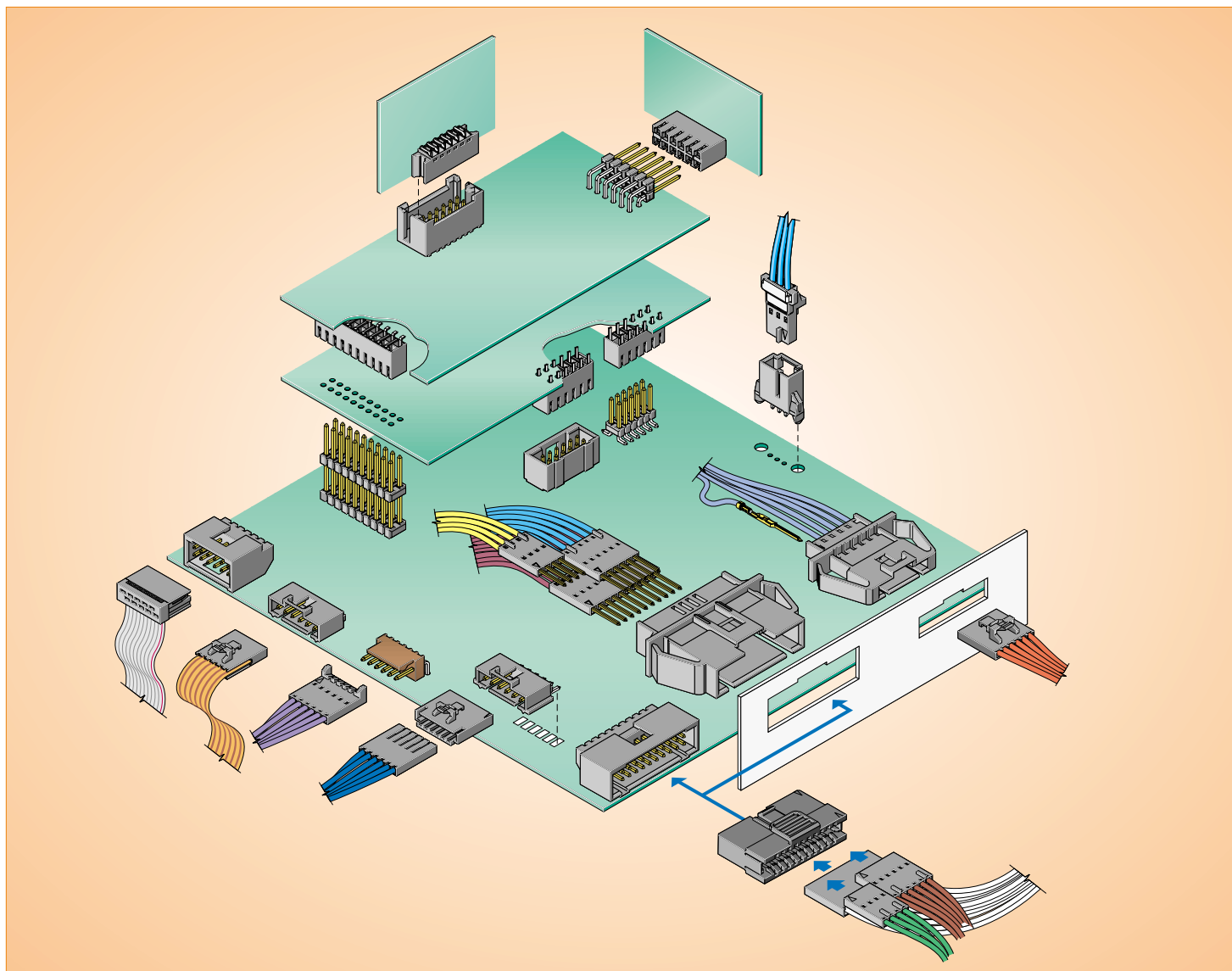
*Most headers are available in SMT and Surface Mount Compatible configurations

Note: Designed for use with discrete wire, ribbon cable or flat flex cable in wire-to-wire and wire-to-board applications


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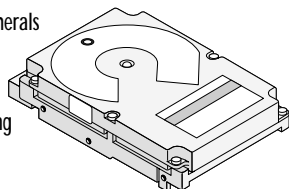
Design Flexibility

Molex offers a variety of ways to engineer a wire-to-wire, wire-to-board or board-to-board solution.

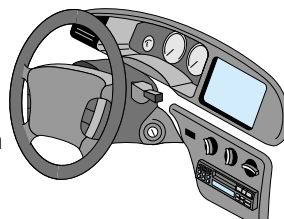


APPLICATION EXAMPLES

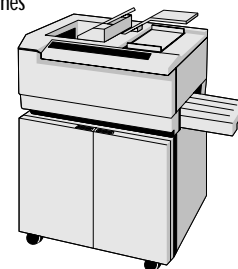
- Mainframe Computers
- Laptops
- Computer Peripherals
- Modems
- Disk Drives
- Vehicular Lighting Equipment



- Vehicular Steering Controls
- Vehicular Sound Systems
- Measuring / Analyzing Equipment
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