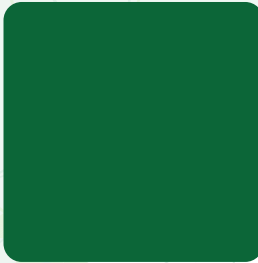


# PALPILOT

WORLD CLASS ENGINEERING & MANUFACTURING



MCC-U Series



MCC-FX Series



Optical Connector



HDMI Connector



MCC-F Series



USB 3.0 Connector

Engineering



Manufacturing



Service & Support

## COMPANY PROFILE

PalPilot was established 30 years ago utilizing experiences in engineering and manufacturing within the Interconnect, Cables, PCB, and Mechanical fabrication. Our expansion into these areas has provided our customers with global sales representation and strong business relations worldwide.

Our success has come from our employees' dedication and hard work and our ability to communicate closely with our customers to provide the solution(s) they require to be successful!

All our factories are certified with ISO-9001, ISO-13485, IATF 16949, and AS 9100.

We have over ten circular push-pull connector series and we also provide custom design and engineering solutions for connector and cable assembly to meet customer requirements.

Our fully integrated in-house design, tooling, and manufacturing utilize state-of-the-art, fully automated processes providing world-class quality, superior price performance, and flexibility unique to the interconnect market!




Visit us at [www.palpilot.com](http://www.palpilot.com)






**Milpitas**



**Tustin**




Product Series		MCC-U Series	MCC-F Series	MCC-H Series
Product Image				
Product Description		Circular Push-Pull Connector Keyway Polarization	Circular Push-Pull Connector Half Shield Keyway	Circular Push-Pull Connector Keyway Polarization
Mechanical Characteristics	Plug Type	Straight	Straight Panel Mounted	Straight
	Locking System	Push-Pull	Push-Pull	Push-Pull
	Max Cable $\Phi$	See Catalog for Details	See Catalog for Details	See Catalog for Details
	Receptacle Style	Panel Mounted In-line	Panel Mounted In-line	Panel Mounted
	Panel Cut-out	See Specification for Details	See Specification for Details	See Specification for Details
	Size 00	2, 3, 4, 5 POS	/	/
	Size 0	2, 3, 4, 5, 7, 9, 10, 13 POS	2, 3, 4, 5, 7, 9, 10 POS	/
	Size 0.75	/	/	/
	Size 1	14, 16, 19 POS	2, 3, 4, 5, 6, 7, 12 POS	14, 16 POS
	Size 1.5	/	10, 12, 19 POS	/
	Size 2	/	5, 6, 11, 16, 19 POS	/
	Size 3	/	12, 15, 24, 27 POS	/
	Keyway	A, B, C, D, E, F	1, 2, 3	A, B, C, D
	Housing Material	Copper Alloy/Stainless Steel/Aluminum Alloy	Copper Alloy/Stainless Steel	Copper Alloy
	Insulation Material	PEEK	PEEK	PEEK
	Housing Plating	Bright Chrome or Black Chrome	Bright Chrome or Black Chrome	Black Chrome
	Contacts Plating	Gold	Gold	Gold
	Termination Method	Solder or PCB	Solder or PCB	Solder or PCB
	Durability	> 5000	> 5000	> 2000
	Salt Spray Test	96 hours	96 hours	96 hours
	IP Rating	IP68	IP68	IP68
	Operating Temp.	-55°C ~125°C	-55°C ~125°C	-55°C ~125°C
	Vibration Resistance	10-2000HZ, 15g	10-2000HZ, 15g	10-2000HZ, 15g
	Shock Resistance	100g, 6ms	100g, 6ms	100g, 6ms

Notes: Metal outershell is also available in Aluminum Alloy and Stainless Steel upon request. Some of the straight plugs can be used in right angle overmold.




Product Series		MCC-FX Series	MCC-TLU Series	MCC-TLB Series
Product Image				
Product Description		Circular Push-Pull Connector Keyway Polarization	Circular Push-Pull Connector Half Shield Keyway	Circular Push-Pull Connector Keyway Polarization/ Half Shield Keyway
Mechanical Characteristics	Plug Type	Straight	Straight	Straight
	Locking System	Push-Pull	Push-Pull	Push-Pull
	Max Cable $\Phi$	See Catalog for Details	See Catalog for Details	See Catalog for Details
	Receptacle Style	Panel Mounted	Panel Mounted	Panel Mounted
	Panel Cut-out	See Specification for Details	See Specification for Details	See Specification for Details
	Size 00	7 POS	/	/
	Size 0	2, 3, 4, 5, 7, 9, 16 POS	2, 3, 4, 5, 7, 9 POS	2, 3, 4, 5, 7, 9 POS
	Size 0.75	/	/	13, 14, 19 POS
	Size 1	2, 3, 4, 5, 6, 7, 8, 27 POS	2, 3, 4, 5, 7, 9 POS	2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 POS
	Size 1.5	2, 8, 10, 12, 19, 40 POS	4, 16, 19 POS	10, 12, 19 POS
	Size 2	2, 3, 4, 5, 6, 7, 8, 9, 11, 16, 19, 20, 40 POS	27 POS	2, 3, 4, 5, 6, 7, 8, 9, 11, 16, 19 POS
	Size 3	2, 3, 4, 7, 8, 9, 10, 12, 13, 15, 16, 18, 24, 27, 37, 40 POS	42 POS	2, 3, 4, 7, 8, 9, 10, 12, 13, 15, 16, 18, 24, 27 POS
	Keyway	A, B, C, N	1, 2, 3, 4	0, A, C, F, H, J, Y
	Housing Material	Copper Alloy/Aluminum Alloy	Copper Alloy	Copper Alloy
	Insulation Material	PEEK	PEEK	PEEK
	Housing Plating	Nickel	Bright Chrome or Black Chrome	Bright Chrome or Black Chrome
	Contacts Plating	Gold	Gold	Gold
	Termination Method	Solder or PCB	Solder or PCB	Solder or PCB
	Durability	> 5000	> 5000	> 5000
	Salt Spray Test	500 hours	96 hours	96 hours
	IP Rating	IP68	IP68	IP68
	Operating Temp.	-55°C ~125°C	-55°C ~125°C	-55°C ~125°C
	Vibration Resistance	10-2000HZ, 15g	10-2000HZ, 15g	10-2000HZ, 15g
	Shock Resistance	300g, 3ms	100g, 6ms	100g, 6ms

Notes: Metal outershell is also available in Aluminum Alloy and Stainless Steel upon request. Some of the straight plugs can be used in right angle overmold.






Product Series		HDC-A Series	HDC-X Series	HDC-Y Series
Product Image				
Product Description		Circular Push-Pull Connector Keyway Polarization	Circular Push-Pull Connector Keyway Polarization	Circular Push-Pull Connector Keyway Polarization
Mechanical Characteristics	Plug Type	Straight Panel Mounted	Straight	Straight
	Locking System	Quick Release	Push-Pull	Quick Release
	Max Cable Φ	See Catalog for Details	See Catalog for Details	See Catalog for Details
	Receptacle Style	Panel Mounted In-line	Panel Mounted In-line	Panel Mounted In-line
	Panel Cut-out	See Specification for Details	See Specification for Details	See Specification for Details
	Size 00	3, 4 POS	/	/
	Size 0	2, 3, 4, 5, 7, 9, 10 POS	2, 5, 6, 9 POS	7 POS
	Size 0.75	/	/	/
	Size 1	4, 5, 8, 16 POS	4, 5, 8, 16 POS	10, 16 POS
	Size 1.5	10, 12, 19 POS	10, 12, 19 POS	/
	Size 2	4, 8, 19 POS	4, 8, 19 POS	/
	Size 3	8, 30 POS	8, 30 POS	/
	Keyway	A, B, C, D	A, B, C, D	A, B, C, D
	Housing Material	Copper Alloy/Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
	Insulation Material	PEEK	PEEK	PEEK
	Housing Plating	Gray Chrome	Gray Chrome	Gray Chrome
	Contacts Plating	Gold	Gold	Gold
	Termination Method	Solder or PCB	Solder or PCB	Solder or PCB
	Durability	> 5000	> 5000	> 5000
	Salt Spray Test	96 hours	96 hours	96 hours
	IP Rating	IP68	IP68	IP68
	Operating Temp.	-55°C ~125°C	-55°C ~125°C	-55°C ~125°C
	Vibration Resistance	10-2000HZ, 15g	10-2000HZ, 15g	10-2000HZ, 15g
	Shock Resistance	300g, 3ms	300g, 3ms	300g, 3ms

Notes: Metal outershell is also available in Aluminum Alloy and Stainless Steel upon request. Some of the straight plugs can be used in right angle overmold.

Product Series		HDC-G Series	CPC-B Series	CPC-S Series
Product Image				
Product Description		Circular Push-Pull Connector Keyway Polarization	Circular Push-Pull Connector Keyway Polarization	Circular Push-Pull Connector Half-moon Insert Keyway
Mechanical Characteristics	Plug Type	Straight	Straight	Straight Right Angle
	Locking System	Quick Release	Push-Pull	Push-Pull
	Max Cable $\Phi$	See Catalog for Details	See Catalog for Details	See Catalog for Details
	Receptacle Style	Panel Mounted In-line	Panel Mounted In-line	Panel Mounted
	Panel Cut-out	See Specification for Details	See Specification for Details	See Specification for Details
	Size 00	4, 7 POS	/	Coax
	Size 0	9, 12, 16 POS	2, 3, 4, 5, 7, 9 POS	Coax, 2, 3, 4
	Size 0.75	/	/	/
	Size 1	27 POS	4, 5, 8, 16 POS	Coax, 2, 3, 4, 5, 6
	Size 1.5	/	/	/
	Size 2	/	4, 8, 19 POS	2, 4, 5, 6, 8, 10 POS
	Size 3	/	8, 30 POS	/
	Keyway	A, B, C, D	0, A, B, C, F, H, J, K, M, Q, Y	0, A
	Housing Material	Copper Alloy	Copper Alloy	Copper Alloy
	Insulation Material	PEEK	PEEK	PEEK
	Housing Plating	Gray Chrome	Bright Chrome	Bright Chrome
	Contacts Plating	Gold	Gold	Gold
	Termination Method	Solder or PCB	Solder or PCB	Solder or PCB
	Durability	> 5000	> 5000	> 5000
	Salt Spray Test	96 hours	96 hours	96 hours
	IP Rating	IP68	IP68/IP50	IP68/IP50
	Operating Temp.	-55°C ~125°C	-55°C ~125°C	-55°C ~125°C
	Vibration Resistance	10-2000HZ, 15g	10-2000HZ, 15g	10-2000HZ, 15g
	Shock Resistance	100g, 6ms	100g, 6ms	100g, 6ms

Notes: Metal outershell is also available in Aluminum Alloy and Stainless Steel upon request. Some of the straight plugs can be used in right angle overmold.

Product Series		MCC-U Series	MCC-F Series	MCC-H Series
Product Image				
Product Description		Circular Push-Pull Connector Keyway Polarization	Circular Push-Pull Connector Keyway Polarization	Circular Push-Pull Connector Keyway Polarization
Mechanical Characteristics	Plug Type	Straight Right Angle	Straight Right Angle	Straight
	Locking System	Push-Pull	Push-Pull	Push-Pull
	Max Cable Φ	See Catalog for Details	See Catalog for Details	See Catalog for Details
	Receptacle Style	Panel Mounted	Panel Mounted	Panel Mounted
	Panel Cut-out	See Specification for Details	See Specification for Details	See Specification for Details
	Size 00	2, 3, 4 POS	/	/
	Size 0	2, 3, 4, 5, 6, 7, 9, 10 POS	2, 3, 4, 5, 7, 9 POS	/
	Size 0.75	/	/	/
	Size 1	2, 3, 4, 5, 6, 7, 8, 10, 14, 16 POS	2, 4, 5, 8, 10, 14, 16 POS	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14 POS
	Size 1.5	/	/	/
	Size 2	2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19, 26 POS	2, 3, 4, 6, 8, 10, 12, 19 POS	16, 19, 26 POS
	Size 3	18 POS	8, 24, 30 POS	/
	Special Terminals	/	1 # 8 POS	/
	Keyway	0, A, B, C, E, F, G, I, J, K, M, Q, V, W, Y, S	0, A, C, F, H, K, Q, W	A, B, C, G
	Housing Material	Copper Alloy	Copper Alloy	PC. PSU. PEI. PPS. ABS. Metal
	Insulation Material	PEEK	PEEK	PEEK
	Housing Plating	Bright Chrome or Black Chrome	Bright Chrome or Black Chrome	/
	Contacts Plating	Gold	Gold	Gold
	Termination Method	Solder or PCB	Solder or PCB	Solder or PCB
	Durability	> 5000	> 5000	> 5000
	Salt Spray Test	96 hours	96 hours	96 hours
	IP Rating	IP50	IP68	IP50/IP67
	Operating Temp.	-55°C ~125°C	-55°C ~125°C	-55°C ~125°C
	Vibration Resistance	10-2000HZ, 15g	10-2000HZ, 15g	10-2000HZ, 15g
	Shock Resistance	100g, 6ms	100g, 6ms	100g, 6ms

Notes: Metal outershell is also available in Aluminum Alloy and Stainless Steel upon request. Some of the straight plugs can be used in right angle overmold.



## CONTACT



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