

FCI Automotive Connectors

RoHS Compliant This product is RoHS compliant.



APEX 150 (1.5MM) CONNECTORS

Features:

- Circumferential interface seal
- Wire accommodation range: 22 AWG (.35mm²)
- Mat seal design
- Terminal Position Assurance (TPA) device to detect partially installed terminals
- USCAR 'on engine' performance standard suitable for harsh environments
- Sealing Protection: IP68
- Temperature range: -40°C to +125°C
- Current Rating: 25 Amps
- 3.5mm pitch

*2.8mm Cavity Plugs to be used w/ 14 & 24 contacts Hybrid & Ergomate Connectors

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Contacts	Description	Color	Price Each			
						1	25	50	100
Male Housing									
649-54241000	54241000	A	10	Sealed, Index A	Black	3.88	3.66	3.45	3.25
649-54241001	54241001	A	10	Sealed, Index B	Gray	3.77	3.55	3.34	3.15
649-54241600	54241600	A	16	Sealed, Index A	Black	3.77	3.55	3.34	3.15
649-54241601	54241601	A	16	Sealed, Index B	Gray	3.77	3.55	3.34	3.15
649-54251400	54251400	B	14	Hybrid, Sealed, Index A	Black	5.32	5.01	4.72	4.45
649-54251401	54251401	B	14	Hybrid, Sealed, Index B	Gray	3.65	3.44	3.24	3.05
649-F254000	F254000	B	24	Hybrid, ErgoMate, Sealed, Index A	Black	7.58	7.15	6.74	6.35
Female Housing									
649-54241030	54241030	C	10	Sealed, Index A w/CPA	Black	4.48	4.22	3.98	3.75
649-54241031	54241031	C	10	Sealed, Index B w/CPA	Gray	4.61	4.34	4.09	3.85
649-54241630	54241630	C	16	Sealed, Index A w/CPA	Black	4.72	4.45	4.19	3.95
649-54241631	54241631	C	16	Sealed, Index B w/CPA	Gray	4.96	4.67	4.40	4.15
649-55251400	55251400	D	14	Hybrid, Sealed, Index A w/CPA	Black	3.88	3.66	3.45	3.25
649-55251401	55251401	D	14	Hybrid, Sealed, Index B w/CPA	Gray	4.12	3.88	3.66	3.45
649-F934000	F934000	D	24	Hybrid, ErgoMate, Sealed, Index A w/CPA	Black	10.80	10.18	9.60	9.05
Seal Plugs									
649-54241629	54241629	---	---	1.5mm Cavity Seal Plug	---	1.27	1.19	1.12	1.05
* 649-54240002	54240002	---	---	2.8mm Seal Plug, Female Side	---	1.27	1.19	1.12	1.05
* 649-54240003	54240003	---	---	2.8mm Seal Plug, Male Side	---	1.27	1.19	1.12	1.05

Terminals

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Gender	Terminal Size	Plating	Price Each			
						1	25	50	100
649-54001625	54001625	G	Female	1.5mm	Tin	.91	.85	.80	.75
649-54001627	54001627	G	Female	1.5mm	Gold	1.63	1.53	1.44	1.35
649-54001626	54001626	H	Male	1.5mm	Tin	.91	.85	.80	.75
649-54001628	54001628	H	Male	1.5mm	Gold	1.38	1.30	1.22	1.15

Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Price Each	
				1	5
649-54241678	54241678	---	Terminal Extraction Tool	9.15	8.63
649-54900049	54900049	---	Hand Crimp Tool, 16-22 AWG	430.76	406.37

APEX 2.8MM CONNECTORS

Features:

- Sealed: 12-20 wire gauge
- Fully assembled, robust design
- Circumferential interface seal
- Heavy Duty connectors for demanding environments
- Most compact 2.8mm system in the industry
- Terminal Position Assurance (TPA) device to detect partially installed terminals
- Mat seal design
- Connector position assurance available
- Sealing Protection: IP68
- Temperature range: 2 and 3 way: -40°C to +150°C, 4,6,10 and 14 way: -40°C to +125°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Contacts	Description	Color	Price Each			
						1	25	50	100
Male Housings									
649-54200210	54200210	E	2	Sealed, Index A	Black	2.70	2.54	2.39	2.25
649-54200211	54200211	E	2	Sealed, Index B	Lt Gray	2.70	2.54	2.39	2.25
649-54200312	54200312	E	3	Sealed, Index A	Black	3.29	3.10	2.92	2.75
649-54200313	54200313	E	3	Sealed, Index B	Lt Gray	3.29	3.10	2.92	2.75
649-54200413	54200413	E	4	Sealed, Index A	Black	3.29	3.10	2.92	2.75
649-54200414	54200414	E	4	Sealed, Index B	Lt Gray	3.52	3.32	3.13	2.95
649-54200612	54200612	E	6	Sealed, Index A	Black	3.65	3.44	3.24	3.05
649-54200613	54200613	E	6	Sealed, Index B	Lt Gray	3.65	3.44	3.24	3.05
649-54201016	54201016	E	10	Sealed, Index A	Black	3.88	3.66	3.45	3.25
649-54201017	54201017	E	10	Sealed, Index B	Lt Gray	3.88	3.66	3.45	3.25
649-54201415	54201415	E	14	Sealed, Index A	Black	4.48	4.22	3.98	3.75
649-54201416	54201416	E	14	Sealed, Index B	Lt Gray	4.48	4.22	3.98	3.75
Female Housings									
649-54200206	54200206	F	2	Sealed, w/ CPA, Index A	Black	3.16	2.98	2.81	2.65
649-54200207	54200207	F	2	Sealed, w/ CPA, Index B	Lt Gray	3.16	2.98	2.81	2.65
649-54200308	54200308	F	3	Sealed, w/ CPA, Index A	Black	3.52	3.32	3.13	2.95
649-54200309	54200309	F	3	Sealed, w/ CPA, Index B	Lt Gray	3.52	3.32	3.13	2.95
649-54200409	54200409	F	4	Sealed, w/ CPA, Index A	Black	3.65	3.44	3.24	3.05
649-54200410	54200410	F	4	Sealed, w/ CPA, Index B	Lt Gray	3.65	3.44	3.24	3.05
649-54200608	54200608	F	6	Sealed, w/ CPA, Index A	Black	3.88	3.66	3.45	3.25
649-54200609	54200609	F	6	Sealed, w/ CPA, Index B	Lt Gray	3.88	3.66	3.45	3.25
649-54201009	54201009	F	10	Sealed, w/ CPA, Index A	Black	4.36	4.11	3.87	3.65
649-54201010	54201010	F	10	Sealed, w/ CPA, Index B	Lt Gray	4.36	4.11	3.87	3.65
649-54201411	54201411	F	14	Sealed, w/ CPA, Index A	Black	5.08	4.79	4.51	4.25
649-54201412	54201412	F	14	Sealed, w/ CPA, Index B	Lt Gray	5.20	4.90	4.62	4.35
Accessories									
649-54200005	54200005	---	---	2.8mm Cavity Plug	---	.79	.74	.69	.65

Terminals

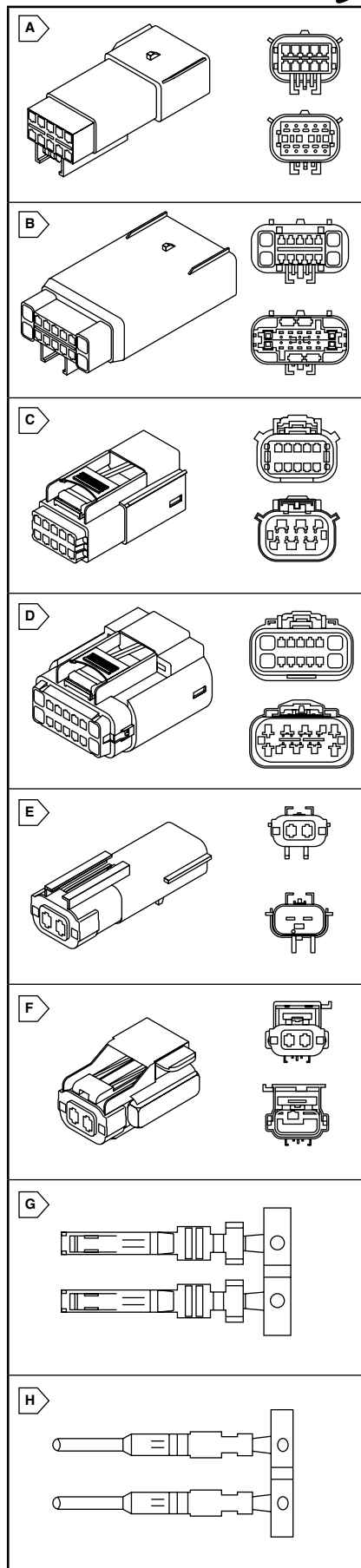
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MOUSER STOCK NO.	FCI Part No.	Fig.	Gender	Terminal Size	Plating	Price Each			
						1	25	50	100
649-54001800	54001800	G	Female	2.8mm	Tin	.91	.85	.80	.75
649-54001400	54001400	G	Female	2.8mm	Tin	.91	.85	.80	.75
649-54001803	54001803	G	Female	2.8mm	Gold	1.50	1.41	1.33	1.25
649-54001801	54001801	H	Male	2.8mm	Tin	.91	.85	.80	.75
649-54001401	54001401	H	Male	2.8mm	Tin	.91	.85	.80	.75
649-F875200	F875200	H	Male	2.8mm	Gold	2.93	2.76	2.60	2.45

Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Price Each	
				1	5
649-5400EXT	5400EXT	---	Terminal Extraction Tool	3.63	3.42
649-APEX2.8MM18/20	APEX2.8mm18/20	---	Hand Crimp Tool, 18-20 AWG	232.34	219.18
649-APEX2.8MM14/16	APEX2.8mm14/16	---	Hand Crimp Tool, 14-16 AWG	232.34	219.18
649-APEX2.8MM10/12	APEX2.8mm10/12	---	Hand Crimp Tool, 10-12 AWG	239.60	226.03



Automotive FCI

