

# Electrical Connector Pin

## GBT/IEC/SAE/Tesla

### Product Introduction

Due to high demand of high-performance connectors in the electric vehicle industry, Apins customizes terminals with high ampacity, high reliability, and long life. The products performance meets the requirements of international standards, including GB/T, IEC, SAE and NACS standards.



### Product Features

- Flexible custom design to realize high current and special structure
- Low contact resistant, large current carrying capacity, low temperature rise
- Better vibration performance and durable

- Excellent and stable insertion and extraction force
- High vibration resistance

### Technical performances

#### 01 Mechanical Performance

Material	Brass, Copper
Contact material	Beryllium bronze
Plating Material	Gold or silver

#### 02 Electrical performance

Mechanical life	≥10,000 times
Operating temperature	-40°C~125°C

💡 Tips: Customized according to requirements

## Specification

GB/T AC Electrical Connector Pin					
Code	Type	Terminal diameter (mm)	Current (A)	Cables (mm <sup>2</sup> )	Pin Properties
1001	AP-GAC-MLN-032060	6	32	6	Male pin
1002	AP-GAC-MLN-016060	6	16	2.5	
1003	AP-GAC-MPE-032060	6	32	6	
1004	AP-GAC-MPE-016060	6	16	2.5	
1005	AP-GAC-MCP-000030	3	CP	1	
1011	AP-GAC-FLNPE-032060	6	32	6	Female pin
1012	AP-GAC-FLNPE-016060	6	16	2.5	
1013	AP-GAC-FCP-000030	3	CP	1	

GB/T DC Electrical Connector Pin					
Code	Type	Terminal diameter (mm)	Current (A)	Cables (mm <sup>2</sup> )	Pin Properties
1101	AP-GDC-MDC-250120	12	250	80	Male pin
1102	AP-GDC-MDC-200120	12	200	70	
1103	AP-GDC-MDC-150120	12	150	50	
1104	AP-GDC-MDC-125120	12	125	35	
1105	AP-GDC-MDC-080120	12	80	20	
1106	AP-GDC-MPE-000060	6	PE	25	
1107	AP-GDC-MCC1-000030	3	CC1	1	
1108	AP-GDC-MCC2-000030	3	CC2	1	
1109	AP-GDC-MA-000030	3	A+-Auxiliary power	4	
1111	AP-GDC-FDC-250120	12	250	95	Female pin
1112	AP-GDC-FDC-200120	12	200	70	
1113	AP-GDC-FDC-125120	12	125	35	
1114	AP-GDC-FDC-080120	12	80	20	
1115	AP-GDC-FPE-000060	6	60	25	
1116	AP-GDC-FS-000030	3	S	1	
1117	AP-GDC-FCC1-000030	3	CC1	1	
1118	AP-GDC-FCC2-000030	3	CC2	1	
1119	AP-GDC-FA-000030	3	A+-Auxiliary power	4	

IEC AC terminal Electrical Connector Pin					
Code	Type	Terminal diameter (mm)	Current (A)	Cables (mm <sup>2</sup> )	Pin Properties
2001	AP-IAC-FLNPE-032060	6	32/PE	6	Female pin
2002	AP-IAC-FLNPE-016060	6	16/PE	2.5	
2003	AP-IAC-FCP-000030	3	CP	1	
2011	AP-IAC-MLN-032060	6	32	6	Male pin
2012	AP-IAC-MLN-016060	6	16	6	
2013	AP-IAC-MPE-032060	6	32	6	
2014	AP-IAC-MPE-016060	6	16	6	
2015	AP-IAC-MCP-000030	3	CP	1	
2016	AP-IAC-MPP-000030	3	PP	1	

IEC DC CCS2 Electrical Connector Pin					
Code	Type	Terminal diameter (mm)	Current (A)	Cables (mm <sup>2</sup> )	Pin Properties
2101	AP-IDC-FDC-300080	8	300	95	Female pin
2102	AP-IDC-FDC-250080	8	250	80	
2103	AP-IDC-FDC-200080	8	200	70	
2104	AP-IDC-FDC-150080	8	150	50	
2105	AP-IDC-FDC-125080	8	125	35	
2106	AP-IDC-FDC-080080	8	80	16	
2107	AP-IDC-FCP-000030	3	cp/pp	1	
2108	AP-IDC-FPE-000060	6	PE	25	Male pin
2111	AP-IDC-MDC-065080	8	65	8AWG or 10	
2112	AP-IDC-MDC-125080	8	125	1/0AWG or 50	
2113	AP-IDC-MDC-200080	8	200	2/0AWG or 70	
2114	AP-IDC-MPE-000060	6	PE	25	
2115	AP-IDC-MCP-000030	3	CP	1	
2116	AP-IDC-MPP-000030	3	PP	1	

SAE AC Electrical Connector Pin					
Code	Type	Terminal diameter (mm)	Current (A)	Cables (mm <sup>2</sup> )	Pin Properties
3001	AP-SAC-FLN-032036	3.6	32	6	Female pin
3002	AP-SAC-FLN-016036	3.6	16	2.5	
3003	AP-SAC-FPE-032028	2.8	32	6	
3004	AP-SAC-FPE-016028	2.8	16	2.5	
3005	AP-SAC-FCP-000015	1.5	1	1	
3011	AP-SAC-MLN-032036	3.6	32	6	Male pin
3012	AP-SAC-MLN-016036	3.6	16	2.5	
3013	AP-SAC-MPE-032028	2.8	32	6	
3014	AP-SAC-MPE-016028	2.8	16	2.5	
3015	AP-SAC-MCP-000015	1.5	1	1	

SAE DC CCS1 Electrical Connector Pin					
Code	Type	Terminal diameter (mm)	Current (A)	Cables (mm <sup>2</sup> )	Pin Properties
3101	AP-SDC-FDC-065080	8	65	8AWGor10	Female pin
3102	AP-SDC-FDC-125080	8	125	1/0AWGor50	
3103	AP-SDC-FDC-200080	8	200	2/0AWGor70	
3104	AP-SDC-FPE-000028	2.8	PE	6	
3105	AP-SDC-FCP-000015	1.5	CP	1	
3106	AP-SDC-FPP-000015	1.5	PP	1	
3111	AP-SDC-MPE-016028	2.8	16	2.5	Male pin
3112	AP-SDC-MPE-032028	2.8	32	6	
3113	AP-SDC-MCP-000015	1.5	CP	1	
3114	AP-SDC-MDC-065080	8	65	8AWGor10	
3115	AP-SDC-MDC-125080	8	125	1/0AWGor50	
3116	AP-SDC-MDC-200080	8	200	2/0AWGor70	

Tesla Electrical Connector Pin				
Code	Type	Terminal diameter (mm)	Current (A)	Pin Properties
4001	AP-NACS-FLN-016090	9	16	Female pin
4002	AP-NACS-FLN-032090	9	32	
4003	AP-NACS-FLN-040090	9	40	
4004	AP-NACS-FLN-048090	9	48	
4005	AP-NACS-FLN-080090	9	80	
4006	AP-NACS-FLN-125090	9	125	
4007	AP-NACS-FLN-200090	9	200	
4008	AP-NACS-FLN-250090	9	250	
4009	AP-NACS-FLN-300090	9	300	
4010	AP-NACS-FPE-000036	3.6	PE	
4011	AP-NACS-FCP-000016	1.6	CP	Male pin
4012	AP-NACS-MLN-080090	9	80	
4013	AP-NACS-MLN-125090	9	125	
4014	AP-NACS-MLN-200090	9	200	
4015	AP-NACS-MLN-250090	9	250	
4016	AP-NACS-MPE-000036	3.6	PE	
4017	AP-NACS-MCP-000016	1.6	CP	