

SSAM Pins

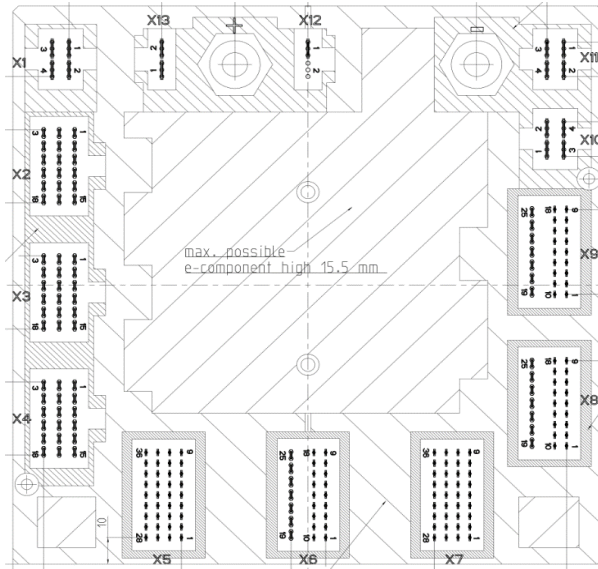
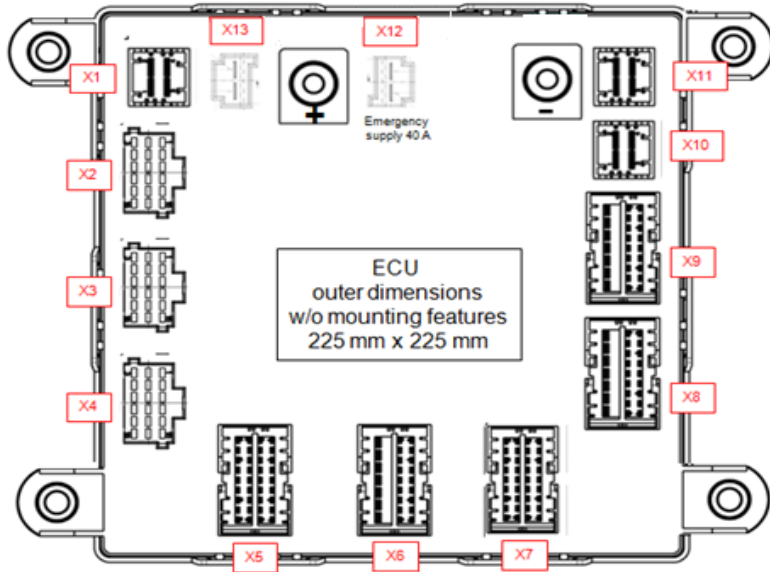
Pin ID	Connector Number	Pin Name	SAM Feature
SSAM 001	X6 008	Backup Alarm	ASC/Backup Alarm
SSAM 002	X4 001	Horn Electric Control	ASC/Horn, Primary & Auxiliary
SSAM 004	X8 005	Primary Air Pressure Sensor, Supply (internally spliced to SSAM 205)	APC/Air Pressure Sensing
SSAM 005	X8 004	Primary Air Pressure Sensor, Feedback	APC/Air Pressure Sensing
SSAM 006	X8 003	Primary Air Sensor, GND CR	APC/Air Pressure Sensing
SSAM 007	X9 014	Secondary Air Pressure Sensor, Supply (internally spliced to SSAM 206)	APC/Air Pressure Sensing
SSAM 008	X9 013	Secondary Air Pressure Sensor, Feedback	APC/Air Pressure Sensing
SSAM 009	X9 012	Secondary Air Pressure Sensor, GND CR	APC/Air Pressure Sensing
SSAM 013	X5 032	Park Brake Drag Pressure Switch (NO)	BSC/Park Brake
SSAM 014	X5 031	Park Brake Pressure Switch (NO)	BSC/Park Brake
SSAM 015	X5 030	Service Brake Pressure Switch (NO)	BSC/Service Brake
SSAM 016	X6 012	Low Air Pressure Switches (NO)	APC/Air Pressure Sensing
SSAM 017	X9 006	Park Brake Indicator	BSC/Park Brake
SSAM 018	X8 021	A/C Compressor Clutch	CCS/A/C Compressor Clutch
SSAM 019	X9 015	Bottom of Clutch, Starter Control	TOC/Bottom of clutch switch status
SSAM 020	X9 016	Clutch Switches Return, GND DE	TOC/Bottom of clutch switch status
SSAM 021	X5 034	Top of Clutch, Cruise Control Disable	TOC/Top of clutch switch status
SSAM 022	X5 023	SAM Cab CAN H, Cabin	Communication
SSAM 023	X5 036	SAM Cab CAN L, Cabin	Communication
SSAM 024	X5 007	LIN #1, Stalk/Steering, PWR	Communication
SSAM 025	X5 016	LIN #1, Stalk/Steering, Com	Communication
SSAM 026	X5 025	LIN #1, Stalk/Steering, GND DE	Communication
SSAM 027	X5 006	LIN #2, PWR	Communication
SSAM 028	X5 015	LIN #2, Com	Communication
SSAM 029	X5 024	LIN #2, GND DE	Communication
SSAM 030	X5 005	LIN #3, PWR	Communication
SSAM 031	X5 014	LIN #3, Com	Communication
SSAM 032	X5 023	LIN #3, GND DE	Communication
SSAM 033	X5 004	MO-Bus, Switch Bank #1, PWR	Switch bus
SSAM 034	X5 013	MO-Bus, Switch Bank #1, Com	Switch bus
SSAM 035	X5 022	MO-Bus, Switch Bank #1, GND DE	Switch bus
SSAM 036	X6 017	Difflock Status Rear 1 - Fwd Axle	ACS/Differential and Interaxle Locks
SSAM 037	X6 011	Difflock Status Rear 2 - Center Axle	ACS/Differential and Interaxle Locks
SSAM 038	X8 015	Interaxle 1	ACS/Differential and Interaxle Locks
SSAM 039	X6 014	Difflock Status Rear 3 - Rear Axle	ACS/Differential and Interaxle Locks
SSAM 040	X6 013	Interaxle 2	ACS/Differential and Interaxle Locks
SSAM 041	X6 022	New Final Drive Control	ACS/Active Lubrication Management
SSAM 042	X6 007	Axle Temperature, Forward, Feedback	ACS/Axle Temperature Sensing
SSAM 043	X6 006	Axle Temperature, Center/Trans Temperature, Feedback	ACS/Axle Temperature Sensing
SSAM 044	X6 005	Axle Temperature, Rear, Feedback	ACS/Axle Temperature Sensing
SSAM 045	X6 004	Axle Temperature, GND CR	ACS/Axle Temperature Sensing
SSAM 046	X8 010	Door Open Status	DBC/Door Latch Status
SSAM 047	X8 007	Door Open Switch, Driver Side, Return	DBC/Door Latch Status
SSAM 048	X8 006	Door Open Switch, Passenger Side, Return	DBC/Door Latch Status
SSAM 049	X3 003	Mirror Heating, Relay Control	DBC/Heated Mirrors
SSAM 050	X5 009	Turn Signal Left, Indicator	ELC/Turn Lights
SSAM 051	X5 018	Turn Signal Right, Indicator	ELC/Turn Lights
SSAM 052	X9 023	Starter Relay	ESC/Starter Relay
SSAM 053	X8 012	Hood Tilt Switch	ESC/OCF Thermal Switch
SSAM 054	X8 011	Optimized Idle Alarm	ESC/Optimized Idle
SSAM 055	X2 005	Fuel Level Sensor, Supply	FLS/Fuel Level Sensing
SSAM 056	X2 008	Fuel Level Sensor, Feedback	FLS/Fuel Level Sensing
SSAM 057	X2 012	Fuel Level Sensor, GND CR	FLS/Fuel Level Sensing
SSAM 058	X5 001	Ignition Switch - Accessory	ISC/Ignition Switch
SSAM 059	X5 011	Ignition Switch - Crank	ISC/Ignition Switch
SSAM 060	X5 002	Ignition Switch - Off	ISC/Ignition Switch
SSAM 061	X5 012	Ignition Switch - On (Ignition)	ISC/Ignition Switch
SSAM 062	X5 003	Ignition Switch, BAT	ISC/Ignition Switch
SSAM 063	X4 006	Light rotary switch BC1	MSC/Headlamp Switch Interface
SSAM 064	X4 008	Light rotary switch BC Redundant	MSC/Headlamp Switch Interface
SSAM 065	X4 011	Light rotary switch Version	MSC/Headlamp Switch Interface
SSAM 066	X4 014	Light rotary switch NL/NSL	MSC/Headlamp Switch Interface
SSAM 067	X4 015	Light rotary switch BC2	MSC/Headlamp Switch Interface
SSAM 068	X4 013	Light rotary switch backlighting	MSC/Headlamp Switch Interface
SSAM 069	X4 009	Light rotary switch, GND	MSC/Headlamp Switch Interface
SSAM 070	X4 002	Light rotary switch, BAT	MSC/Headlamp Switch Interface
SSAM 071	X8 026	Backup Lamp 1	ELC/Backup Lamp
SSAM 072	X9 005	Identification (center 3) Lamps	ELC/Headlamp Switch Position 1
SSAM 073	X9 002	Clearance (side 2) Lamps	ELC/Headlamp Switch Position 1
SSAM 074	X2 001	DRL, Left	ELC/Daytime Running Lamps
SSAM 075	X2 004	DRL, Right	ELC/Daytime Running Lamps
SSAM 076	X2 007	Fog Lamp, Front Left	ELC/Fog Lamps
SSAM 077	X2 016	Fog Lamp, Front Right	ELC/Fog Lamps
SSAM 078	X2 013	High Beam, left	ELC/Headlamp Switch Position 2
SSAM 079	X4 016	High Beam, Right	ELC/Headlamp Switch Position 2
SSAM 080	X6 018	License Plate Lamp	ELC/Headlamp Switch Position 1
SSAM 081	X6 024	Low Beam, Left	ELC/Headlamp Switch Position 2
SSAM 082	X8 023	Low Beam, Right	ELC/Headlamp Switch Position 2
SSAM 083	X2 002	Marker Lamp, Corner Front Left	ELC/Headlamp Switch Position 1
SSAM 084	X2 003	Marker Lamp, Corner Front Right	ELC/Headlamp Switch Position 1
SSAM 085	X8 009	Marker Lamp, Front Left	ELC/Headlamp Switch Position 1
SSAM 086	X6 021	Marker Lamp, Front Right	ELC/Headlamp Switch Position 1
SSAM 087	X6 009	Marker Lamp, Side Left	ELC/Headlamp Switch Position 1
SSAM 088	X6 020	Marker Lamp, Side Right	ELC/Headlamp Switch Position 1
SSAM 089	X8 018	Accent Light 1	ELC/Accent Light
SSAM 090	X6 019	Accent Light 2	ELC/Accent Light
SSAM 091	X5 033	Stop Lamps	ELC/Stop Lamps
SSAM 092	X5 008	Tail Lamp, Left	ELC/Headlamp Switch Position 1
SSAM 093	X8 008	Tail Lamp, Right	ELC/Headlamp Switch Position 1
SSAM 094	X4 017	Turn Left Front corner	ELC/Turn Lights
SSAM 096	X2 010	Turn Right Front corner	ELC/Turn Lights
SSAM 097	X6 023	Panel Lamps, LED, PWM	ILC/Panel Lamps / Backlighting
SSAM 098	X1 003	Trailer Tail Lamps	ELC/Headlamp Switch Position 1
SSAM 099	X5 026	LVD Sense, GND DE	LVD/Power Net Management
SSAM 100	X6 001	Battery Contactor Control (CLDS), Open	PSC/BI Stable Relay Control
SSAM 101	X6 002	Battery Contactor Control (CLDS), Close	PSC/BI Stable Relay Control
SSAM 102	X6 003	Battery Contactor Control (CLDS), Supply	PSC/BI Stable Relay Control
SSAM 103	ST1 001	SAM CAB, BAT 1	ECU Supply
SSAM 104	ST2 001	SAM CAB, BAT 2	ECU Supply
SSAM 106	X2 018	PT Early Wake Up	ESC/Power Train Early Wake-up and Engine Cool Down
SSAM 107	X7 017	Private CAN High	Communication
SSAM 108	X7 026	Private CAN Low	Communication
SSAM 109	X6 016	Turn Left Front side	ELC/Turn Lights
SSAM 110	X4 018	Turn Right Front side	ELC/Turn Lights
SSAM 111	X9 020	Utility Light #1	ELC/Utility Lamp
SSAM 112	X4 007	Utility Light #2	ELC/Utility Lamp
SSAM 113	X11 001	Headlamp, Left, GND P	ELC/Headlamp Switch Position 2
SSAM 114	X10 001	Headlamp, Right, GND P	ELC/Headlamp Switch Position 2
SSAM 115	X2 006	Exterior Lighting, GND P #1	ELC
SSAM 116	X10 002	Exterior Lighting, GND P #2	ELC
SSAM 117	X11 002	Exterior Lighting, GND P #3	ELC
SSAM 118	X10 003	Exterior Lighting, GND P #4	ELC
SSAM 119	X8 013	Thermal Switch, Feedback	ESC/OCF Thermal Switch
SSAM 120	X11 003	Ground, GND DE	ECU Supply
SSAM 121	X10 004	Ground, GND CR	ECU Supply
SSAM 122	X11 004	Ground, GND P	ECU Supply
SSAM 123	X8 022	Panel Lamps, Bulb, PWM	ILC/Panel Lamps / Backlighting
SSAM 124	X9 011	Dome Lamp, Forward Overhead(1), Zone 1, PWM	ILC/Dome Lamps
SSAM 125	X9 019	Dome Lamp, Forward Overhead(2), Zone 1, PWM	ILC/Dome Lamps
SSAM 126	X4 003	Interior Lighting, GND P #1 (FWD Overhead)	ILC
SSAM 127	X9 021	Interior Lighting, GND P #2 (Rear Overhead)	ILC
SSAM 128	X8 019	Interior Lighting, GND P #3 (Ambient 1)	ILC
SSAM 129	X9 024	Interior Lighting, GND P #4 (Ambient 2)	ILC
SSAM 130	X9 022	Interior Lighting, GND P #5 (Reading Sleeper)	ILC
SSAM 131	X8 001	Door Sill Lamp, Driver	ILC/Entrance Lighting
SSAM 132	X8 002	Door Sill Lamp, Passenger	ILC/Entrance Lighting
SSAM 133	X4 010	Footwell Lamp, Zone 2, PWM (Ambience Light Zone 1)	ILC/Footwell Lamp - Front

sSAM Pins

Pin ID	Connector Number	Pin Name	SAM Feature
SSAM 134	X9 001	Mid Dome Lamp, Zone 4A, PWM	ILC/Ambience Light
SSAM 135	X4 006	Panel Lamps, GND	ILC/Panel Lamps / Backlighting
SSAM 136	X9 010	Stop/Turn Lamp, Left	ELC/Turn Lights
SSAM 137	X6 010	Stop/Turn Lamp, Right	ELC/Turn Lights
SSAM 138	X9 009	Sleeper Dome Lamp, Zone 4B, PWM	ILC/Dome Lamps
SSAM 139	X9 007	Sleeper Dome Lamp, Zone 4C, PWM	ILC/Dome Lamps
SSAM 140	X9 008	Sleeper Footwell Lamp, Zone 10, PWM (Ambience Light Zone 2)	ILC/Footwell Lamp - Sleeper
SSAM 141	X8 014	Washer Fluid Level	WWC/Washer Fluid Level
SSAM 142	X8 020	Washer Pump, Control	WWC/Windshield Washer Pump
SSAM 143	X8 025	Wiper High	WWC/Wiper Motor Control
SSAM 144	X9 025	Wiper Low	WWC/Wiper Motor Control
SSAM 145	X8 015	Wiper Parked	WWC/Wiper Motor Control
SSAM 146	X3 004	Ignition (IGN 1) Relay Control	PSC/IGN_X power net bus
SSAM 147	X3 016	Bi-Stable Relay, House Control, Close	PSC/BI Stable Relay Control
SSAM 148	X3 013	Bi-Stable Relay, House Control, Open	PSC/BI Stable Relay Control
SSAM 149	X3 018	Bi-Stable Relay, Basic Control, Close	PSC/BI Stable Relay Control
SSAM 150	X3 017	Bi-Stable Relay, Basic Control, Open	PSC/BI Stable Relay Control
SSAM 151	X3 002	Bi-Stable Relay 1 (House), Feedback	PSC/BI Stable Relay Control
SSAM 152	X3 005	Bi-Stable Relay 2 (House), Feedback	PSC/BI Stable Relay Control
SSAM 153	X3 006	Bi-Stable Relay 3 (Basic), Feedback	PSC/BI Stable Relay Control
SSAM 154	X3 008	Bi-Stable Relay 4 (Basic), Feedback	PSC/BI Stable Relay Control
SSAM 155	X3 009	VPDM BAT 1, Feedback	PSC/Vehicle Power Disconnect
SSAM 156	X3 012	VPDM BAT 2, Feedback	PSC/Vehicle Power Disconnect
SSAM 157	X3 015	VPDM CAB LOAD BAT, Feedback	PSC/Vehicle Power Disconnect
SSAM 158	X8 016	Alternator Charging (D+)	PSC/D-Plus power net bus
SSAM 159	X3 001	Alternator Charging (D+), Relay Control	PSC/D-Plus power net bus
SSAM 160	X7 019	Configurable Digital Input #1	FSC/Flexible Software
SSAM 161	X7 015	Configurable Digital Input #2	FSC/Flexible Software
SSAM 162	X7 020	Configurable Digital Input #3	FSC/Flexible Software
SSAM 163	X7 014	Configurable Digital Input #4	FSC/Flexible Software
SSAM 164	X7 013	Configurable Digital Input #5	FSC/Flexible Software
SSAM 165	X7 021	Configurable Digital Input #6	FSC/Flexible Software
SSAM 166	X7 022	Configurable Digital Input #7	FSC/Flexible Software
SSAM 167	X7 010	Configurable Digital Input #8	FSC/Flexible Software
SSAM 168	X7 011	Configurable Digital Input #9	FSC/Flexible Software
SSAM 169	X7 023	Configurable Digital Input #10	FSC/Flexible Software
SSAM 170	X7 024	Configurable Digital Input #11	FSC/Flexible Software
SSAM 171	X7 025	Configurable Digital Input #12	FSC/Flexible Software
SSAM 172	X7 009	Configurable Analog Input #1	FSC/Flexible Software
SSAM 173	X7 008	Configurable Analog Input #2	FSC/Flexible Software
SSAM 174	X7 007	Configurable Analog Input #3	FSC/Flexible Software
SSAM 175	X7 016	Configurable Analog Input #4	FSC/Flexible Software
SSAM 176	X7 029	Configurable High Side Output #1	FSC/Flexible Software
SSAM 177	X7 028	Configurable High Side Output #2	FSC/Flexible Software
SSAM 178	X7 031	Configurable High Side Output #3	FSC/Flexible Software
SSAM 179	X7 030	Configurable High Side Output #4	FSC/Flexible Software
SSAM 180	X7 033	Configurable High Side Output #5	FSC/Flexible Software
SSAM 181	X7 032	Configurable High Side Output #6	FSC/Flexible Software
SSAM 182	X7 036	Configurable High Side Output #7	FSC/Flexible Software
SSAM 183	X7 035	Configurable High Side Output #8	FSC/Flexible Software
SSAM 184	X7 005	Configurable High Side Output #9	FSC/Flexible Software
SSAM 185	X7 006	Configurable High Side Output #10	FSC/Flexible Software
SSAM 186	X7 018	Configurable High Side Output #11	FSC/Flexible Software
SSAM 187	X7 027	Configurable High Side Output #12	FSC/Flexible Software
SSAM 188	STG 001	SAM CAB_GND P	ECU Supply
SSAM 189	X3 010	Accessory (ACC 3), Relay Control	PSC/ACC_X power net bus
SSAM 190	X7 001	Configurable Low Side Output #1	FSC/Flexible Software
SSAM 191	X7 002	Configurable Low Side Output #2	FSC/Flexible Software
SSAM 192	X7 003	Configurable Low Side Output #3	FSC/Flexible Software
SSAM 193	X7 004	Configurable Low Side Output #4	FSC/Flexible Software
SSAM 194	X1 002	Trailer Marker Lamps	ELC/Headlamp Switch Position 1
SSAM 195	X13 001	Trailer Stop Lamps	ELC/Stop Lamps
SSAM 196	X13 002	Trailer Turn Lamp Left	ELC/Turn Lights
SSAM 197	X1 001	Trailer Turn Lamp Right	ELC/Turn Lights
SSAM 198	X3 007	Trailer Option Power #1, Relay Control	TCS/Trailer Options
SSAM 199	X5 028	Backup Switch	TOC/Backup Switch
SSAM 200	X5 029	Transmission Neutral Switch	TOC/Neutral Switch
SSAM 201	X5 020	Transmission Temperature, Feedback	TOC/Transmission Oil Temperature
SSAM 202	X5 021	Transmission Temperature, GND_CR	TOC/Transmission Oil Temperature
SSAM 203	X9 017	Starter Relay, LSD	ESC/Starter Relay
SSAM 204	X5 017	LVD Sense, BAT	LVD/Power Net Management
SSAM 205	X7 012	Flex Pin Analog Pressure Sensor 1, Supply (internally spliced to SSAM 004)	APC/Air Pressure Sensing
SSAM 206	X7 034	Flex Pin Analog Pressure Sensor 2, Supply (internally spliced to SSAM 007)	APC/Air Pressure Sensing

ASAM 12V Connector

ID	Connector No.	Reference Designator (REFDES)	Description	DTNA Part Number	Tyco Part Number	Coding	Pin Qty per Connector			
							1.5 mm	2.8 mm	6.3 mm	Total:
4pol 1	X1	DASH H ECU SSAM X1 1A	4pos 6.3mm	23-13149-401	1534404-2	B	0	0	4	4
18pol 1	X2	DASH H ECU SSAM X2 1A	18pos 2.8mm	23-13149-013	6-968974-1	C	0	18	0	18
18pol 2	X3	DASH H ECU SSAM X3 1A	18pos 2.8mm	23-13149-012	7-968974-1	B	0	18	0	18
18pol 3	X4	DASH H ECU SSAM X4 1A	18pos 2.8mm	23-13149-011	8-968974-1	A	0	18	0	18
36pol 1	X5	DASH H ECU SSAM X5 1A	36pos 1.5mm	A23-13361-017	1-1718485-1	A	36	0	0	36
25pol 1	X6	DASH H ECU SSAM X6 1A	7pos 2.8mm + 18pos 1.5mm	A23-13361-018	1-1718484-1	A	18	7	0	25
36pol 2	X7	DASH H ECU SSAM X7 1A	36pos 1.5mm	A23-13361-007	1-1718485-2	B	36	0	0	36
25pol 2	X8	DASH H ECU SSAM X8 1A	7pos 2.8mm + 18pos 1.5mm	A23-13361-019	1-1718484-2	B	18	7	0	25
25pol 3	X9	DASH H ECU SSAM X9 1A	7pos 2.8mm + 18pos 1.5mm	A23-13361-020	1-1718484-3	C	18	7	0	25
4pol 3	X10	DASH H ECU SSAM X10 1A	4pos 6.3mm	23-13149-400	1534404-1	A	0	0	4	4
4pol 2	X11	DASH H ECU SSAM X11 1A	4pos 6.3mm	23-13149-400	1534404-1	A	0	0	4	4
2pol 2	X12	DASH H ECU SSAM X12 1A	2pos 6.3mm	23-13149-215	9-1418506-2	Z	0	0	2	2
2pol 1	X13	DASH H ECU SSAM X13 1A	2pos 6.3mm	23-13149-216	4-1418506-2	D	0	0	2	2
-	Total						126	75	16	217



Color
Grey
Light blue
Natur
Slate Grey
Fawn Braun
Black
Traffic Purple
Dust Grey
Light blue
Black
Black
Black
Black
Grey

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