2014

PRODUCT

LIST

SANDIA aerospace

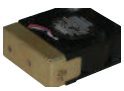
AIRDATA COMPUTER

	Model Part Number	DESCRIPTION
	SAC 7-35 705548-00	The TSO'd SAC 7-35 is an airdata/fuel system designed for todays integrated navigation systems. The SAC 7-35 is TSO'd as both an Airdata System and as an Encoder. The 705548-00 includes the Airdata Computer part number 305548-00 as well as the electrical and mechanical installation kits.
	SAC 7-35 705548-01	In addition to the above, the -01 version provides interface between selected Garmin navigators and the Collins TDR 94D for ADS-B

ALTITUDE ENCODER

	SAE 5-35 705154-00	The TSO'd SAE 5-35 is a 35 thousand foot altitude data system that provides all your altitude reporting needs in a single unit. The SAE 5-35 outputs altitude Grey code in 100' resolution to a mode C or S transponder and two RS 232 outputs in 10' resolution to GPS and TAWS systems. The SAE 5-35 also provides SANDIA's exclusive AIM (Altitude In-flight Monitoring) function that advises the pilot if he deviates from the selected altitude. The 705154-00 includes the 305154-00 SAE 5-35 along with the mechanical and electrical installation kits.

AVIONICS COOLING FANS

	ACF 314 ACF 328	The ACF 314 and ACF 328 are 3 port fans that operate on 14Vdc and 28Vdc respectively. The blower motors are rated for 78,000 hours of continuous operation. PMA'd
	ACF 528	This 5 port fan will cool an entire avionics stack. The ACF 528 replaces up to 25 CFM to maintain an avionics friendly environment. 28 Vdc. PMA'd
	SAFE 128 305468-00	The SAFE 128 is an axial fan with fault detection output. It mounts directly to a cooling plenum. PMA'd
	SAFE 328 305467-00	This three port 28Vdc Blower delivers 25 cubic feet of cooling air per minute and provides a fault signal when the fan drops below a predetermined RPM. PMA'd
	SAFE 528 305722-00	This five port 28Vdc Blower delivers 25 cubic feet of cooling air per minute and provides a fault signal when the fan drops below a predetermined RPM.

MODULAR ACCESSORY REMOTE CARDS

The SANDIA aerospace MARC series of remote accessory cards provide the installer with a wide variety of interface circuits needed to integrate today's avionics systems. Each MARC35 comes housed in a single card enclosure. The MARC 70 units can be housed in a SRU 1 single card enclosure or the SRU 5 or SRU 10 multi card enclosures. The SRU 5 will hold up to 5 interface modules while the SRU 10 can hold up to 10 modules. The MARC 35 units are Approved to 35 thousand feet. The MARC 70 units are PMA'd and certified to 70 thousand feet.

MARC 35

AIS200A-35
306119-00

A 20 Pole switching card for use with NAV systems that share the HSI/CDI's OBS function.

AIS200-35

A 20 Pole switching card for use with NAV systems that share the HSI/CDI's OBS function. PMA'd NSN 5990-01-541-7597

AIS240A-35
306120-00

A general purpose 24 pole avionics units. Operates on 28Vdc

AIS240-35

A general purpose 24 pole avionics units. Operates on 28Vdc. PMA'd NSN 5999-01-544-0513

MARC 70

SA 3
305005-01

Regulator/Dimming Board. Provides .5 amps of annunciator drive for lighting incandescent annunciators. Will provide 1 amp short term for test purposes. Switchable between bright and din with both modes field adjustable. NSN 6130-01-562-6846

SA 3L
305005-02

Same as above except used for LED annunciators.

SA 3NVG
306070-00

Regulator/Dimming Board. Provides .5 amps of annunciator drive for lighting incandescent annunciators. Will provide 1 amp short term for test purposes. Switchable between bright, dim and NVG.

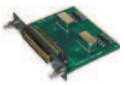
SA 15
305004-01

Inverter board converts High to Low to provide common annunciator power. 14 inverter outputs.

SA 24
305003-01

Diode Isolation Module. Provides 23 lines of diode ground in - ground out isolation. Internal FET allows simultaneous test of all lines to ground.
Requires 28Vdc for test. NSN 5998-01-534-4569

MARC 70

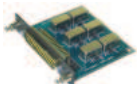


SA 263
305001-01

Two, six pole nitrogen filled relays. Can be activated simultaneously or individually. NSN 5999-01-534-0764

SA 343
305000-01

Three four pole nitrogen filled relays. Can be activated simultaneously or individually.



SA 623
305002-01

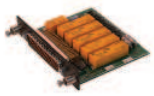
The SR 623 has a total of six, two pole relays in nitrogen filled metal cases. NSN 5999-01-534-0771

SR34-1
306110-00

The SR 34 is a twelve pole switching module. The SR34 can be installed in any of the three MARC 70 enclosures. The SR34-01 is form fit and function interchangeable with the SR34 list below.

SR34
305501-00

The SR 34 is a twelve pole switching module. The SR34 can be installed in any of the three MARC 70 enclosures.



SR54-1
306111-00

Ideally suited for Long Range Navigation systems that share the HSI with a VOR/LOC receiver, the SR54 has a built in fail safe circuit that ensures that ILS steering is always displayed on the indicator should power be lost or an ILS frequency is selected in the NAV receiver.

SR54
305498-00

Same as above.

SR64-1
306112-00

The SR 64 provides 24 lines of signal level switching. This multipurpose switching unit has its relays arranged in a group of 16 poles and 4 poles.

SR64
305499-00

Same as above.

MARC 70

SRU 1
305146-00

The single module SRU 1 enclosure will house any of the MARC 70 modules

SRU 5
305018-00

The SRU 5 will house up to 5 MARC 70 modules. The SRU 5 is supplied with 4 blank off plates.

SRU 5-1
305018-01

Same as above. The SRU 5-1 is required when using the SA 3 NVG module

SRU 10
305014-00

The SRU 10 houses up to ten MARC 70 modules. Extra slots can be reserved for future use.

Transponders

STX 165
705832-00

The panel mounted STX 165 is a Mode C transponder with a built in altitude encoder. It features three timer functions and a pressure altitude display. When the optional OAT probe is installed, the STX 165 provides Outside Air Temperature, Density Altitude and an Icing Alert.

3" Adapter Plate
306103-00

Adapter plate allows the STX 165 to be mounted in a standard 3" instrument hole.

STX 165R
705831-00

The STX 165R is a remote Mode C transponder that weighs only 1.16lbs and requires a mere 200mA current at 28Vdc. It can be fully controlled by aircraft navigators with the capability. It is ideally suited for use in UAVs where weight and current are primary concerns. Requires a remote altitude encoder for Mode C operation.

Mounting Tray
305835-20

The STX 165R can be hard mounted using the unit flanges. For those that prefer a mounting tray, one can be ordered separately.

STP 78
305561-91

The STP 78 is an Outside Air Temperature (OAT) Probe designed for use with both the SANDIA SAC 7-35 Airdata Computer and the STX 165 transponder. The STP 78 is constructed of milled stainless steel to prevent breakage and corrosion.

Turbine Engine Instrument Converter

ST 26
305662-00

The ST 26 is a Tach Generator that converts the sinusoidal, 26 Vac 400 Hz output of Turbine Tach Generators to a digital signal. This TSO approved adapter can be used for aircraft instrument displays or for other control/data collection systems. The ST26 is approved to work with the most common aircraft tachometers models.

Adapters

SSA 80

Synchro Converter accepts up to 4 ARINC 407 synchro inputs and converts these to ARINC 429, RS 232 or CAN Bus. The SSA 80 can be adapted to convert ARINC 429 to RS232 or CAN and vice versa.