

1. MANUFACTURED AND INSPECTED IAW AS9100 QUALITY SYSTEM REQUIREMENTS.
2. SEE DRAWING NUMBER CB-00420 AND PROCEDURE P-1000 FOR ASSEMBLY AND TEST INSTRUCTION. PROCEDURES AND ASSEMBLY DRAWINGS ARE FOR INTERNAL USE ONLY.
3. BATTERIES ARE RATED IAW INTERNATIONAL ELECTROTECHNICAL COMMISSION STANDARD 60952-1 AND RTCA STANDARD DO-293A, UNLESS OTHERWISE NOTED.
4. CASE SIZE: ARINC 404, 1/4 ATR SHORT

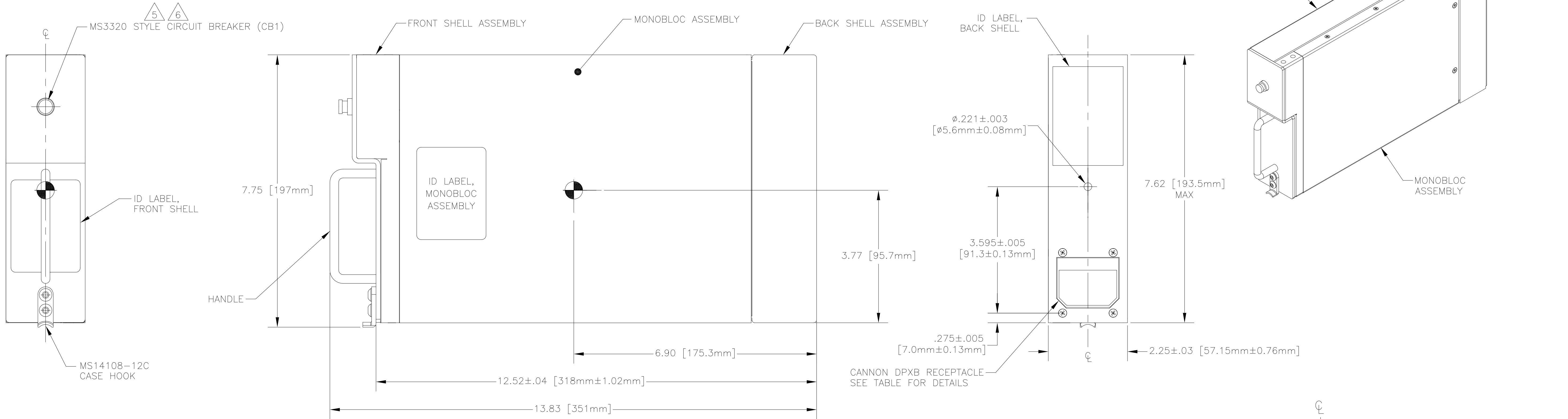
 BATTERY PART NUMBER DESCRIPTION: RG-150-6[-Y]

-Y= OUTPUT CIRCUIT BREAKER RATING, -5=5 AMP, -10=10 AMP, ETC

EXAMPLE: RG-150-6-5 WILL BE PROVIDED WITH A 5 AMP BREAKER

- 6 OUTPUT CIRCUIT BREAKER CURRENT RATINGS AVAILABLE: 1, 2, 2.5, 3, 4, 5, 7.5, 10, 15, AMPS (15A MAX)
- 7 RECEPTACLE J1 WILL BE FACTORY KEYED TO INDEX CODE 01 IAW ARINC SPECIFICATION 404, UNLESS OTHERWISE SPECIFIED. RE-KEYING OF THIS RECEPTACLE IN THE FIELD TO MATE WITH AIRCRAFT REQUIREMENTS IS PERMITTED.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REV TO SHOW REAR HLDN HOLE	1/14/16	PH



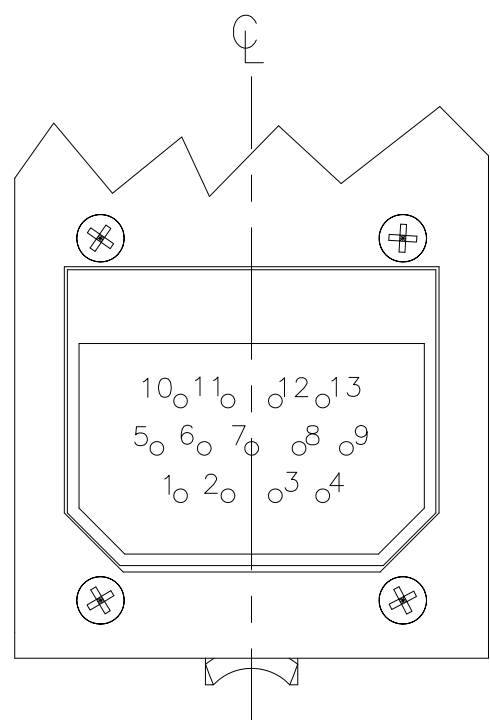
BATTERY PART NUMBER 	RG-150-6[-Y]
MONOBLOC ASSY PART NO.	MB24-3.5-2
BACK SHELL ASSY PART NO.	BS-150-G
MAXIMUM WEIGHT	14.0 LBS [6.4 KG]
RATED CAPACITY, C ₁	3.5 AH
CAPACITY, -18°C (0°F)	3.3 AH
CAPACITY, -30°C (-22°F)	2.9 AH
INPUT	28 VDC NOM
MAXIMUM INRUSH CURRENT	19.5 AMPS
RECEPTACLE (J1) 	DPXB-13-34P-0101 OR EQUAL
INTERNAL DC HEATER	4A MAX @ 28 VDC

The diagram illustrates the electrical connections for the BS-150-G system, divided into three main sections: Front Shell Assy, Back Shell Assy, and Monobloc Assy.

- FRONT SHELL ASSY (CB-00421):** Contains components CB1, J3, P3, TS1, TS2, HR1, and BATT. A battery symbol is shown connected to the bottom of the TS1 and TS2 components.
- BACK SHELL ASSY (CB-00422):** Contains components J1, K1, R1, and D1. It also shows a ground connection and a label DPXB-13-34P-0101 OR EQUAL.
- MB24-3.5-2 MONOBLOC ASSY (CB-00423):** Represented by a multi-pin connector with pins labeled 8, 3, 5, 10, 4, 9, 2, 1, 6, 7, and J2.

Connections:

- Pin 8 of the Monobloc Assy connects to CB1 and Pin 8 of the Back Shell Assy.
- Pin 3 of the Monobloc Assy connects to Pin 3 of the Back Shell Assy.
- Pin 5 of the Monobloc Assy connects to Pin 5 of the Back Shell Assy.
- Pin 10 of the Monobloc Assy connects to Pin 10 of the Back Shell Assy.
- Pin 4 of the Monobloc Assy connects to Pin 4 of the Back Shell Assy.
- Pin 9 of the Monobloc Assy connects to Pin 9 of the Back Shell Assy.
- Pin 2 of the Monobloc Assy connects to Pin 2 of the Back Shell Assy.
- Pin 1 of the Monobloc Assy connects to Pin 1 of the Back Shell Assy.
- Pin 6 of the Monobloc Assy connects to Pin 6 of the Back Shell Assy.
- Pin 7 of the Monobloc Assy connects to Pin 7 of the Back Shell Assy.
- Pin J2 of the Monobloc Assy connects to Pin J2 of the Back Shell Assy.
- Pin 11 of the Back Shell Assy connects to +24/+28 VDC OUTPUT.
- Pin 10 of the Back Shell Assy connects to +28 VDC INPUT POWER.
- Pin 2 of the Back Shell Assy connects to CHARGE INHIBIT DISCRETE.
- Pin 12 of the Back Shell Assy connects to PWR RETURN.
- Pin 7 of the Back Shell Assy connects to PWR RETURN.
- Pin 4 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 1 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 2 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 3 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 4 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 5 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 6 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 7 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 8 of the Back Shell Assy connects to CHASSIS GROUND.
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- Pin 13 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 14 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 15 of the Back Shell Assy connects to CHASSIS GROUND.
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- Pin 98 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 99 of the Back Shell Assy connects to CHASSIS GROUND.
- Pin 100 of the Back Shell Assy connects to CHASSIS GROUND.



RECEPTACLE PINOUT

ENVELOPE DRAWING

QTY REQD		CAGE CODE	PART OR IDENTIFYING NO.		NOMENCLATURE OR IDENTIFICATION OR DESCRIPTION				MATERIAL SPECIFICATION		ITEM NO.
PARTS LIST											
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ±1/32 .XX ±.06 ±1° .XXX ±.030					CONCORDE BATTERY CORPORATION 2009 SAN BERNARDINO RD, W. COVINA, CA 91790						
					APPROVALS		DATE		TITLE BATTERY, VRSLA, 24 VOLT, RG-150-6[-Y] SERIES		
					DRAWN D. AYALA		9/17/15				
					CHECKED NS		9/21/15				
TREATMENT		NONE		APPROVED JBT		9/22/15		SIZE D 63017 DWG NO. RG-150-6-Y REV A			
FINISH		NONE		ISSUED BJ		1/18/16					
SIMILAR TO		ACT WT	CALC WT	SCALE NONE		SHEET 1 OF 1					