AEROSPACE DATA EXCHANGE PROGRAM TRANSMITTAL

PROBLEM ADVISORY

CAES

1. TITLE	2. DOCUMENT NUMBER
SMD 5962-17212 PCS NON-CONFORMANCE	SPO-2021-PA-0002
	3. DATE *(Year, Month, Date)* 2021, FEB, 2
4. MANUFACTURER NAME AND ADDRESS CAES 4350 CENTENNIAL BOULEVARD COLORADO SPRINGS, COLORADO 80907-3486	5. MANUFACTURER POINT OF CONTACT NAME Owen Watry
	6. MANUFACTURER POINT OF CONTACT TELEPHONE 719-594-8293
	7. MANUFACTURER POINT OF CONTACT EMAIL Owen.Watry@cobhamaes.com

8. CAGE CODE	9. LDC START	10. LDC END	11. PRODUCT IDENTIFICATION CODE	12. BASE PART
65342	1817	2019	QS30	TABLE 1
13. BLANK			14. SMD NUMBER 17212	15. DEVICE TYPE DESIGNATOR 01, 02
			16. RHA LEVELS L	17. QML LEVEL Q
			18. NON QML LEVEL Hi-Rel, Q+	19. GIDEP NUMBER GB4-P-21-02

20. PROBLEM DESCRIPTION / DISCUSSION / EFFECT

The Precision Current Source (PCS) parameter located in SMD 5962-17212 is being updated to clarify the specification for the part numbers located in Table 1. The 'Current Precision' specification is intended to be a current of 1mA±1.5% at 25°C as well as production tested not guaranteed by design. Additionally a new parameter, 'Current Drift Over Temperature', is being added which states a limit of 1mA±5% over the specified temperature range (-55°C to +105°C) and is also production tested. All historical material has been screened to these limits.

Table 1: Affected Part Numbers

UT32M0R500-ZFC
UT32M0R500-SFF
UT32M0R500LCLF
5962L1721201QXC
5962L1721201QYF
5962L1721202QYF

21. ACTION TAKEN / PLANNED

To clarify the performance of the PCS peripheral, the SMD and Datasheet will be updated to reflect this behavior with the following two specifications:

- The specification "Current Precision" will indicate that the specification is production tested at +25°C at the ±1.5% limits
- A new specification, "Current Drift Over Temperature" will be added to reflect the change in current over the recommended operating temperature range (-55°C to +105°C). The specification will have limits of ±5.0%

22. DISPOSITIONARY RECOMMENDATION:	CHECK & USE AS IS ☐	CONTACT MANUFACTURER ☐	REMOVE & REPLACE ☐	CORRECT & USE AS SPECIFIED ☒