AEROSPACE DATA EXCHANGE PROGRAM TRANSMITTAL

CAES

PRODUCT CHANGE NOTICE

1. TITLE	2. DOCUMENT NUMBER		
Correction of absolute maximum specification P_D (Power Dissipation). Addition of T_C and input signal rise/fall time guidelines to recommended operating conditions	SPO-2021-PCN-0001		
4. MANUFACTURER NAME AND ADDRESS CAES 4350 CENTENNIAL BOULEVARD COLORADO SPRINGS, COLORADO 80907-3486	5. MANUFACTURER POINT OF CONTACT NAME Mike Leslie		
	6. MANUFACTURER POINT OF CONTACT TELEPHONE 719-594-8148		
	7. MANUFACTURER POINT OF CONTACT EMAIL mike.leslie@caes.com		
8. CAGE CODE **65342**	9. EFFECTIVE DATE NA	10. PRODUCT IDENTIFICATION CODE **WD37**	11. BASE PART UT200SpWPHY01
12. BLANK		13. SMD NUMBER 5962-06232	14. DEVICE TYPE DESIGNATOR 01, 02
		15. RHA LEVELS **R**	16. QML LEVEL **Q, V**
		17. NON QML LEVEL **C, P, W**	18. GIDEP **GB4-C-21-0001**

19. DESCRIPTION (FOR NEW PRODUCTS, PROVIDE AVAILABILITY DATE AND LEAD TIME)

The following changes are made to correct or add missing information to the Standard Microcircuit Drawing (SMD) specifications only. No changes are made to the physical assembly, process or inspection/test flows.

The above referenced SMD (5962-06232) is being changed to correct P_D value for the device in the Absolute maximum ratings para 1.3 sheet 3. The previously specified value of 120mW was an error in the SMD. The P_D specification is typically represents the maximum power dissipation capability of the package as defined by MIL-STD-883, Method 1012 Section 3.4.1:

$P_D = \frac{T_J(max) - T_C(max).}{\Theta_{JC}}$ Therefore, per the calculation, P_D is changed to 2.5W.

Additionally, the following are added to para 1.4 sheet 3, Recommended operating conditions.

T_C Case Temperature …….-55°C to +125°C

t_{RISE} Input rise time (CMOS inputs (VIL to VIH), VLDS Inputs (VTL to VTH)) <= 20ns 3/

t_{FALL} Input fall time (CMOS inputs (VIH to VIL), VLDS Inputs (VTH to VTL)) <= 20ns 3/

Notes /2 and /3 are added to sheet 3:

2/ Per MIL-STD-883, Method 1012, Section 3.4.1, PD = $\frac{(T_J(max) - T_C(max))}{\Theta_{JC}}$

3/ Supplied as a design guideline, not characterized nor tested.

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