

PRODUCT CHANGE NOTICE

1. TITLE UT32BS1X833 MATRIX-D™ 32-CHANNEL 1:8 BUS SWITCH – PACKAGE PINOUT TABLE ENTRY CORRECTION		2. DOCUMENT NUMBER SPO-2023-PCN-003												
		3. DATE (Year, Month, Date) 2023 Dec 14												
4. MANUFACTURER NAME AND ADDRESS FRONTGRADE TECHNOLOGIES 4350 CENTENNIAL BLVD COLORADO SPRINGS, CLORADOO 80907-3486		5. MANUFACTURER POINT OF CONTACT NAME Bruce Massey												
		6. MANUFACTURER POINT OF CONTACT TELEPHONE 719-594-8466												
		7. MANUFACTURER POINT OF CONTACT EMAIL Bruce.Massey@frontgrade.com												
8. CAGE CODE 65342	9. EFFECTIVE DATE 2023 December 14	10. PRODUCT IDENTIFICATION CODE YB18	11. BASE PART UT32BS1X833											
12. BLANK		13. SMD NUMBER 5962-15243	14. DEVICE TYPE DESIGNATOR 01											
		15. RHA LEVELS R, F	16. QML LEVEL Q, V											
		17. NON QML LEVEL Prototype, HiRel	18. GIDEP GB4-PC-2023-0098											
19. PRODUCT CHANGE The UT32BS1X833 Matrix-D™ 32-Channel 1:8 Bus Switch Datasheet (DS) and SMD documents were recently found to contain an incorrect package pinout table entry. Reference information provided here: Datasheet (DS): https://frontgrade.com/sites/default/files/documents/Datasheet-UT32BS1X833.pdf UT32BS1X833 Matrix-D™ 32-Channel 1:8 Bus Switch Datasheet p.6 Channel Pins Table Was: Pin Name: 25B6; Pin Number: N7 (incorrect). Corrected to: Pin Name: 25B6; Pin Number: N17 (correct). SMD 5962-15243: https://landandmaritimeapps.dla.mil/Downloads/MilSpec/Smd/15243.pdf MICROCIRCUIT, DIGITAL, RADIATION HARDENED, HIGH SPEED CMOS, 32-CHANNEL 1:8 BUS SWITCH, MONOLITHIC SILICON UT32BS1X833 Matrix-D™ 32-Channel 1:8 Bus Switch SHEET 13 FIGURE 2. Terminal PIN number – continued Was: Pin Name: 25B6; Pin Number: N7 (incorrect). Corrected to: Pin Name: 25B6; Pin Number: N17 (correct).														
Table 1. Affected SMD Part Numbers Under This PCN														
<table border="1"> <thead> <tr> <th>Description</th> <th>SMD Number</th> <th>Frontgrade Part Number</th> <th>Frontgrade PIC Number</th> </tr> </thead> <tbody> <tr> <td rowspan="2">UT32BS1X833 Matrix-D™ 32-Channel 1:8 Bus Switch</td> <td>5962F1524301QXC</td> <td>UT32BS1X833-QXC</td> <td>YB18</td> </tr> <tr> <td>5962F1524301VXC</td> <td>UT32BS1X833-VXC</td> <td>YB18</td> </tr> </tbody> </table>				Description	SMD Number	Frontgrade Part Number	Frontgrade PIC Number	UT32BS1X833 Matrix-D™ 32-Channel 1:8 Bus Switch	5962F1524301QXC	UT32BS1X833-QXC	YB18	5962F1524301VXC	UT32BS1X833-VXC	YB18
Description	SMD Number	Frontgrade Part Number	Frontgrade PIC Number											
UT32BS1X833 Matrix-D™ 32-Channel 1:8 Bus Switch	5962F1524301QXC	UT32BS1X833-QXC	YB18											
	5962F1524301VXC	UT32BS1X833-VXC	YB18											
20. DISPOSITIONARY RECOMMENDATION:		CHECK & USE AS IS <input type="checkbox"/>	CONTACT MANUFACTURER <input type="checkbox"/>											
		REMOVE & REPLACE <input type="checkbox"/>	CORRECT & USE AS SPECIFIED <input checked="" type="checkbox"/>											