TECHNICAL DATA

THE P5018MK01 MIL-STD-1553B TO NMEA-0183 CONVERTER MODULE IS A 28VDC POWERED RUGGEDIZED PROTOCOL CONVERTER COMPRISING OF A DUAL REDUNDANT MIL-STD-1553B INTERFACE 1 RS-232 OUTPUT CHANNEL AND 1 RS-422 OUTPUT CHANNEL.

THE P5018MK01 PROVIDES AN NMEA-0183 OUTPUT STREAM CONTAINING GGA AND RMC SENTENCES ASSEMBLED FROM PARAMETERS RECORDS ON THE MIL-STD-1553B INTERFACE.

THE "MK01" PART NUMBER SUFFIX DEFINES THE CUSTOMER SPECIFIC CONFIGURATION OPTIONS, SUCH AS BAUD RATE, PARAMETER MAPPING AND INTERFACE TYPE.

PLEASE SEE SHEET 2 FOR FULL DETAILS.

GENERAL SPECIFICATION

POWER REQUIREMENTS: 28V POWERED (3W MAX)

WEIGHT: 0.300 kg MAX

TEMPERATURE:
OPERATING TEMPERATURE -45 TO 70 DEGREES C
STORAGE TEMPERATURE -55 TO 85 DEGREES C

PRODUCT SPECIFICATION
P5018MK01-PS-R1

INTERFACE CONTROL DOCUMENT (ICD)
P5018MK01-ICD-R1

SOFTWARE
SOFTWARE DEVELOPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF DO-178B LEVEL E

COOLING
FREE AIR CONDUCTION

PRODUCT REVISION IDENTIFICATION
THE PRODUCT FOR WHICH THIS DOCUMENT RELATES SHALL BE IDENTIFIED WITH THE MAJOR REVISION NUMBER ONLY.
FOR EXAMPLE
DOCUMENT REVISION 2.03 REFERS TO PRODUCT REVISION 2

MINOR REVISIONS ARE RESERVED FOR DOCUMENTATION UPDATES THAT DO NOT AFFECT FORM FIT OR FUNCTION OF THE PRODUCT.