



Jan 20, 2024

**ENV-00396, REV A
MTBF Declaration**

To Whom It May Concern:

A calculation was performed using a predictive method per Telcordia SR332 Issue 2.

Product: Open Q4290		
Environment: Ground Benign, Controlled		
Temperature:	30 °C	85 °C
Failure Rate (FIT): 4G&64G	1046	6552.5
MTBF:	955,983hours (109.13 years)	157,451hours (17.97 years)
Failure Rate (FIT): 4G&64G CONN	1053	6359.1
MTBF:	949,766 hours (108.42 years)	157,253hours (17.95 years)
Failure Rate (FIT): 4G&256G	1046	6351.1
MTBF:	955,983 hours (109.13 years)	157,451hours (17.97 years)
Failure Rate (FIT): 4G&256G CONN	1052	6357.2
MTBF:	955,506 hours (108.51 years)	157,303hours (17.96years)

Affected SKU:

SKU	Description
QC-SIP-4290CS-B	Open-Q 4290CS SIP (4GB/64GB)
QC-SIP-4290CS-CONN-B	Open-Q 4290CS CONN SIP (4GB/64GB)
QC-SIP-4290CS-C	Open-Q 4290CS SIP (4GB/256GB)
QC-SIP-4290CS-CONN-C	Open-Q 4290CS CONN SIP (4GB/256GB)

Definitions

Failure Rate (FIT): Failures per billion hours. The total number of failures within an item population per the total number of life units expended by that population during a measurement interval under stated conditions.

Failure: The events, or inoperable state, in which any item or part of an item does not, or would not, perform as specified.

MTBF: Mean time between failures. This is an average value of time between successive outages of the system.



Tony.Yan
QA Engineer
Lantronix, Inc.