

2023/04/03

NORITAKE ITRON CORP.

Module Engineering Dept.

Reliability prediction of GU140X32F-7000D

Parts List Number: DS-2142-0701-00

REVISION : DS-2142-1000-00

[Ta = 25°C]

Name of Components	Qty. (np)	Fail. Rate(Fit) (p) x 10E ⁻⁹	np * p(Fit) x 10E ⁻⁹
CPU	1	76.000	76.000
C-MOS IC/TTLIC	4	22.000	88.000
Other IC	1	2.000	2.000
Transistor	7	2.000	14.000
Diode & Zener	3	10.000	30.000
Capasitor Ceramic	25	0.410	10.250
Resistor Fixed	39	0.025	0.975
Resistor Network	5	0.028	0.140
Coil	1	2.000	2.000
Fuse	2	10.000	20.000
PC Board	1	10.000	10.000
Display (VFD)	1	600.000	600.000
Soldering Point (SMD)	307	0.069	21.183
Soldering Point (Other)	18	2.600	46.800
Total (Fit)	-	-	921.348
MTBF (Hrs)	-	-	1,085,366

	SIGN	DATE
APP	大仲	23.4.3
CH	武田	23.4.3
DR	中西 浩	2023/04/03