

2003/3/14

NORITAKE ITRON CORP.

PRODUCTS END. DEPT.

Reliability prediction of GU140X32F-7000

DS-916-1000-00

[T<sub>a</sub> = 25°C]

Name of Components	Qty. (np)	Fail. Rate(Fit) (p) x 10E-9	np * p(Fit) x 10E-9
CPU	1	76	76
C-MOS IC/TTLIC	3	22	66
Other IC	2	2	4
Transistor	7	2	14
Diode & Zener	3	10	30
Capasitor Ceramic	21	0.41	8.61
Resistor Fixed	32	0.025	0.8
Resistor Network	3	0.028	0.084
Coil	1	2	2
FAR	1	30	30
Fuse	1	10	10
PC Board	1	10	10
VFD	1	600	600
Soldering Point (SMD)	288	0.069	19.872
Soldering Point (other)	18	2.6	46.8
Total (Fit)	-	-	918.166
MTBF (Hrs)	-	-	1,089,128

	SIGN	DATE
APP	M. Suga	2003.3.14
CH	笠田	2003.3.14
DR	△ Ch	2003.3.14