ALCO CONFIDENTIAL

VFD

VFD901
115-000945W000

P+12V
AD901 011-050001W000
AD902 011-050001W001
AR902 10R 032-118221W000
AFB917
AC918 10uF/16V
ZD900 24V
AEC900 22uF/35V
ZD901 5.6V
AEC901 4.7uF/35V
AD900 1N4148
AFB918 FB VFD/-24V
AC917 0.047uF/50V
AFB919 FB VFD/F+
AC919 0.047uF/50V
AC915 10NF/50V
AFB920 FB VFD/F-
AC920 0.047uF/50V
AR901 27K
AQ900 008-A02621W000
AQ901 008-A02621W000
138-5CA735W002
AC913 473M/50V
AC914 10NF/50V
AFB921 032-118221W000

STANDBY5V
AEC902 100uF
AC921 0.1uF
AC922 0.1uF

H ON
L OFF

LED900 110-030010W003 AR903 1k LED-CT

AR900 82K

VFD_DO
VFD_DI
VFD_CLK
VFD_STB

010-511631W000

LE01
LE02
LE03
LE04
OSC
DOUT
DIN
CLK
ST8
K1
K2
VSS44 VDD43 GR1 GR2 GR3 GR4 SG24/GR5 SG23/GR6 SG22/GR7 SG21/GR8 SG20/GR9
SG19/GR10 SG18/GR11 SG17/GR12 VEE SG16/KS16 SG15/KS15 SG14/KS14 SG13/KS13 SG12/KS12 SG11/KS11 SG10/KS10
VSS12 VDD13 SG1/KS1 SG2/KS2 SG3/KS3 SG4/KS4 SG5/KS5 SG6/KS6 SG7/KS7 SG8/KS8 SG9/KS9

AIC901

ACN902
135-S050ZRW250

TO MAIN

AFB900 FB P+12V
AFB901 FB STANDBY5V
AFB902 NC 3.3V
AFB903 33R VFD_STB
AFB904 33R VFD_CLK
AFB905 33R VFD_DI
AFB906 33R VFD_DO
AFB907 FB IR-IN1
AFB908 FB KEY-2_10_1 TP1
AFB909 FB KEY-0_6_1 TP2
AFB910 FB STANDBY-KEY
AFB911 FB PA0
AFB912 FB PA2
AC900 0.1uF
AC901 0.1uF
AC902 0.1uF
AC903 33PF
AC904 33PF
AC905 33PF
AC906 33PF
AC907 33PF
AC908 33PF
AC909 33PF
AC910 33PF
AC911 33PF
AC912 33PF

ACN902 TO J303 040-250090W050

135-S100ZRW080
ACN903
AFB916 FB 3.3V
AFB913 FB STANDBY-KEY
AFB914 FB PA0
AFB915 FB PA2
TP3

ACN902 TO KCON100

IR-IN1
ARM901
111-000015W000
GND GND GND VOUT VCC
AC924 0.1uF
AEC903 100uF
AR904 2.4K
AR905 10K
AC923 0.1uF

STANDBY5V
AIC902
010-506607W000
VIN VOUT EN GND FB
AC928 10uF
AC927 0.1uF
AR914 47K
AC925 22PF
AEC904 100uF
AC926 0.1uF
AR915 15K
Vfb=0.8V
3.3V

VOUT=0.8(R544+R545)/R545
0.8(47+15)/15=3.307V

W901
AC929 NC
NC

MARK1 MARK2 MARK3 MARK4

ALCO ELECTRONICS LIMITED

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Date: Monday, December 16, 2013	Sheet 1 of 1	