



NOTE 4

J1
50 OHM BNC

EN

JP1 CONTROL
1 3

ENABLE EXT

JP2 DGND
1 3
AGND FLOAT

DGND
E2

NOTE 5

BNC x 3

J5 1 L1 Z=75

J6 1 L1 Z=75

J7 1 L1 Z=75

U1

16 V+
15 V+
14 OUTR
13 V-
12 OUTG
11 V+
10 OUTB
9 V-
8 V-
7 INB
6 AGND
5 ING
4 AGND
3 INR
2 DGND
1 EN

LT6553CGN

NOTE 5

BNC x 3

J9 1 L2 Z=75

J10 1 L2 Z=75

J11 1 L2 Z=75

J4 V-
-3.3V TO -5V
BANANA JACK

J3 AGND
BANANA JACK

J2 V+
3.3V TO 5V
BANANA JACK

J3 AGND

BANANA JACK

E3 AGND

SINGLE DUAL
1 3
SUPPLY JP3

C5 470PF

C6 1000PF

C7 470PF

C8 470PF

C9 10UF, 16V
1210

R4 75

R5 75

R6 75

R1 75

C1 4700PF

C2 470PF

C3 4700PF

C4 10UF, 16V
1210

Z=75

Z=75

Z=75

Z=75

R2 75

R3 75

Z=75

Z=75

Z=75

Z=75

CAL

J8 1 L3 Z=75

BNC NOTE 5

L3

J12 1 L3 Z=75

BNC NOTE 5

CAL

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE IN OHMS, 0402.
ALL CAPACITORS ARE IN MICROFARADS, 0402.
2. SHDN CONNECTOR IS GENERIC 50 OHMS VERTICAL BNC.
3. VIDEO CONNECTORS ARE CANARE BCJ-BPLH BNC.
4. INSTALL SHUNTS ON JP1-JP3 PIN 2 AND 3.
5. L1+L2=L3.

CUSTOMER NOTICE

LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

CONTRACT NO.

APPROVALS

DRAWN: KIM T.

CHECKED:

APPROVED:

ENGINEER: JON M.

DESIGNER:



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TITLE: SCHEMATIC

TRIPLE HIGH SPEED VIDEO AMPLIFIER

SIZE A	DWG NO. DC714A-1 * LT6553CGN	REV A
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