

ADG795A/ADG795G

Parameter	Conditions	Min	Typ ¹	Max	Unit
LOGIC OUTPUTS³					
SDA Pin					
Output Low Voltage, V_{OL}	$I_{SINK} = 3 \text{ mA}$			0.4	V
	$I_{SINK} = 6 \text{ mA}$			0.6	V
Floating-State Leakage Current				± 1	μA
Floating-State Output Capacitance				10	pF
GPO1 Pin and GPO2 Pin					
Output Low Voltage, V_{OL}	$I_{LOAD} = +2 \text{ mA}$			0.4	V
Output High Voltage, V_{OH}	$I_{LOAD} = -2 \text{ mA}$	2.0			V
POWER REQUIREMENTS					
I_{DD}	Digital inputs = 0 V or V_{DD} , I ² C interface inactive		0.001	1	μA
	I ² C interface active, $f_{SCL} = 400 \text{ kHz}$			0.2	mA
	I ² C interface active, $f_{SCL} = 3.4 \text{ MHz}$			0.7	mA

¹All typical values are at $T_A = 25^\circ\text{C}$, unless otherwise stated.

²Guaranteed by initial characterization, not subject to production test.

³Guaranteed by design, not subject to production test.

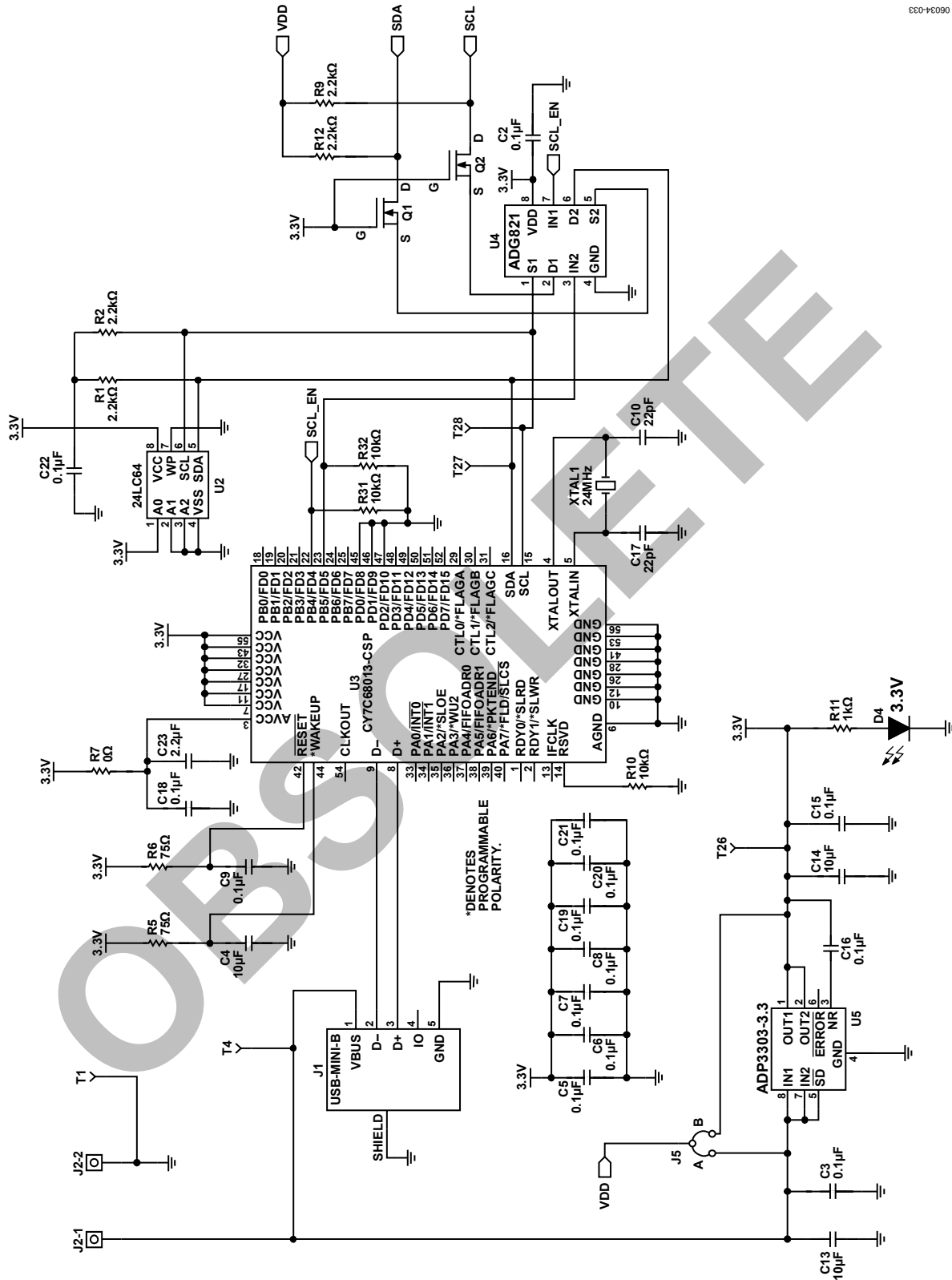


Figure 33. Eval-ADG795GEB Schematic, USB Controller Section

ADG795A/ADG795G

06033-034

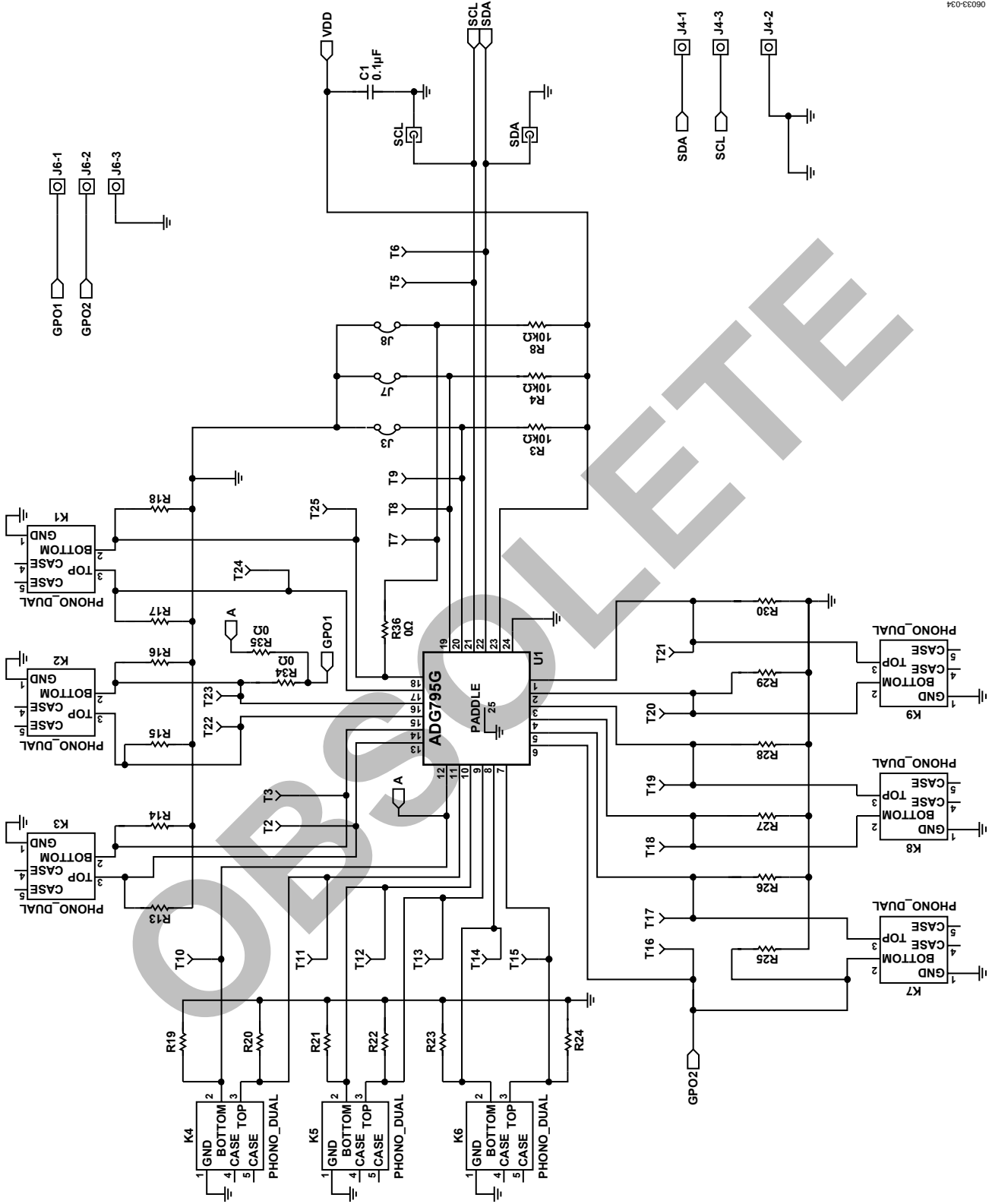
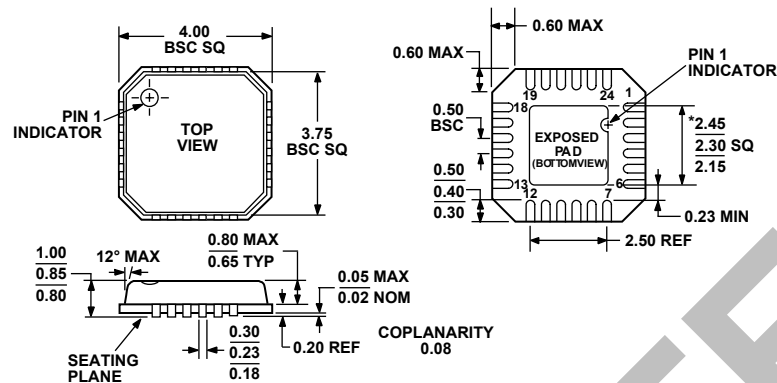


Figure 34. Eval-ADG795GEB Schematic, Chip Section

OUTLINE DIMENSIONS



*COMPLIANT TO JEDEC STANDARDS MO-220-VGGD-2 EXCEPT FOR EXPOSED PAD DIMENSION

Figure 35. 24-Lead Lead Frame Chip Scale Package [LFCSP_VQ]
 4 mm x 4 mm Body, Very Thin Quad
 (CP-24-2)
 Dimensions shown in millimeters

ORDERING GUIDE

Model	Temperature Range	I ² C Speed	Package Description	Package Option
ADG795ABCPZ-REEL ¹	-40°C to +85°C	100 kHz, 400 kHz	24-Lead LFCSP_VQ	CP-24-2
ADG795ABCPZ-500RL7 ¹	-40°C to +85°C	100 kHz, 400 kHz	24-Lead LFCSP_VQ	CP-24-2
ADG795ACCPZ-REEL ¹	-40°C to +85°C	100 kHz, 400 kHz, 3.4 MHz	24-Lead LFCSP_VQ	CP-24-2
ADG795ACCPZ-500RL7 ¹	-40°C to +85°C	100 kHz, 400 kHz, 3.4 MHz	24-Lead LFCSP_VQ	CP-24-2
ADG795GBCPZ-REEL ¹	-40°C to +85°C	100 kHz, 400 kHz	24-Lead LFCSP_VQ	CP-24-2
ADG795GBCPZ-500RL7 ¹	-40°C to +85°C	100 kHz, 400 kHz	24-Lead LFCSP_VQ	CP-24-2
ADG795GCCPZ-REEL ¹	-40°C to +85°C	100 kHz, 400 kHz, 3.4 MHz	24-Lead LFCSP_VQ	CP-24-2
ADG795GCCPZ-500RL7 ¹	-40°C to +85°C	100 kHz, 400 kHz, 3.4 MHz	24-Lead LFCSP_VQ	CP-24-2
EVAL-ADG795GEB ²			Evaluation Board	

¹ Z = Pb-free part.

² Evaluation board is RoHS compliant.

NOTES

OBSOLETE

Purchase of licensed I²C components of Analog Devices or one of its sublicensed Associated Companies conveys a license for the purchaser under the Philips I²C Patent Rights to use these components in an I²C system, provided that the system conforms to the I²C Standard Specification as defined by Philips.