Texas Instruments

Bill of Materials

TI DESIGNS
TIDA-00141
Actuator Driver for Flip up Displays

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB	1		Printed Circuit Board		XX####	Any	-	-
C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17	17	0.1uF	CAP, CERM, 0.1uF, 6.3V, +/-10%, X5R, 0402	0402	GRM155R60J104KA01D	MuRata	-	-
FID1, FID2, FID3	3		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		
H1, H2, H3, H4	4		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw	NY PMS 440 0025 PH	B&F Fastener Supply	-	-
H5, H6, H7, H8	4		Standoff, Hex, 0.5"L #4-40 Nylon	Standoff	1902C	Keystone	-	-
J1, J2	2		Header, 100mil, 3x1, Tin plated, TH	Header, 3 PIN, 100mil, Tin	PEC03SAAN	Sullins Connector Solution		
J5, J6, J7, J8, J9, J10, J11	7		Header, 100mil, 2x1, Gold plated, TH	Header, 2x1, 100mil	5-146261-1	TE Connectivity		
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W	THT-14-423-10	Brady	-	-
nFault	1	Red	LED, Red, SMD	1.6x1.85x3.2	HBR1105W-TR	Stanley Electric Co., LTD		
R1, R2, R3	3	10k	RES, 10k ohm, 5%, 0.1W, 0603	0603	RC0603JR-0710KL	Yageo America	Equivalent	Any
R4, R5, R6	3	1.0k	RES, 1.0k ohm, 5%, 0.063W, 0402	0402	CRCW04021K00JNED	Vishay-Dale		
R7	1	0.68	RES, 0.68 ohm, 1%, 2W, 2512	2512	CSRN2512FKR680	Stackpole Electronics Inc		
SW2, SW3, SW ON/OFF	3		Switch, Push Button, SMD	2.9x2x3.9mm SMD	SKRKAEE010	Alps		
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9	9	White	Test Point, Miniature, White, TH	White Miniature Testpoint	5002	Keystone		

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
U1, U7, U11	3		Automotive Catalog Low-Capacitance + / - 15 kV ESD-Protection Array for High-Speed Data Inter, 2 Channels, - 40 to +85 degC, 5-pin SOT (DRL), Green (RoHS & no Sb/Br)	DRL0005A	TPD2E001IDRLRQ1	Texas Instruments	Equivalent	None
U2	1		DUAL SCHMITT-TRIGGER INVERTER, DBV0006A	DBV0006A	SN74LVC2G14IDBVRQ1	Texas Instruments		None
U3, U6	2		SINGLE POSITIVE-EDGE-TRIGGERED D-TYPE FLIP-FLOP WITH CLEAR AND PRESET, DCU0008A	DCU0008A	SN74LVC2G74QDCURQ1	Texas Instruments		None
U4, U8	2		DUAL 2-INPUT POSITIVE-AND GATE, DCT0008A	DCT0008A	SN74LVC2G08IDCTRQ1	Texas Instruments		None
U5	1		3-PIN VOLTAGE SUPERVISORS, DBV0003A	DBV0003A	TPS3809I50QDBVRQ1	Texas Instruments		None
U9	1		SINGLE BUFFER/DRIVER WITH OPEN-DRAIN OUTPUT, DBV0005A	DBV0005A	SN74LVC1G07QDBVRQ1	Texas Instruments		None
U10	1		LOW-VOLTAGE MOTOR	DGQ0010E	DRV8832QDGQQ1	Texas Instruments		None
U12	1		SINGLE 2-INPUT POSITIVE-	DBV0005A	SN74LVC1G32QDBVR	Texas Instruments		None
J3, J4	0		Header, 100mil, 2x1, Gold	Header, 2x1, 100mil	5-146261-1	TE Connectivity		
J1, J2, J5,	6		Jumper, 2x1, Gold plated, Oper	Female jumper, 2x1	NPC02SXON-RC	Sullins Connector Solutions		None
	1		DC Electric Motor		FF-050SK-11170	MingHon Motor Co.		None

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