

Parts List

509980-0001
 ASSY,THS8200 EVM

| | | |
|----------|----|---------------|
| Type | PL | PCB Package |
| Revision | A | ION Footprint |
| Status | U | Package Qty |
| Date | | Bin Loc. |
| By | | Cost |

| Item | Qty Unit | Part Number | Type Rev | Title Detail | Reference | |
|------|----------|--------------|-------------------|--|----------------|---------|
| | | PCB Package | ION Footprint | | Mfr Name | Mfr P/N |
| 1 | 1 each | 509981-0001 | DWG A | PWB,THS8200 EVM | | |
| 2 | 1 each | 509982-0001 | DOC A | LOGIC,THS8200 EVM | | |
| 3 | 1 each | 102582-0001R | PS | IC,PQFP80,TRIPLE 10 BIT VIDEO DAC | U1 | |
| | | PQFP80-PFP | TEXAS INSTRUMENTS | | THS8200PFP | |
| 4 | 1 each | 101722-0033R | PS | IC,DBV5,LINEAR REGULATOR,3.3V | U2 | |
| | | DBV5 | TEXAS INSTRUMENTS | | TPS79333DBVRG4 | |
| 5 | 1 each | 101722-0018R | PS | IC,DBV5,LINEAR REGULATOR,1.8V | U3 | |
| | | DBV5 | TEXAS INSTRUMENTS | | TPS79318DBVRG4 | |
| 6 | 1 each | 102588-0033R | PS | IC,DBV5,LINEAR REGULATOR,3.3V,100mA | U4 | |
| | | DBV5 | TEXAS INSTRUMENTS | | TPS79133DBVR | |
| 7 | 1 each | 102515-0001R | PS | IC,TSSOP24,PROGRAMMABLE 4-PLL CLOCK | U34 | |
| | | TI_TSSOP24 | TEXAS INSTRUMENTS | | CDCE949PW | |
| 8 | 1 each | 102584-0001R | PS | IC,TSSOP16,1-TO-4, MULTIPLEXED | U6 | |
| | | TSSOP16 | IDT | | ICS8305AGLF | |
| 9 | 1 each | 102570-0001R | PS | IC,TSSOP20,3-CHANNEL LOW POWER VIDEO | U7 | |
| | | PSOP20PW | TEXAS INSTRUMENTS | | THS7303PW | |
| 10 | 2 each | 101722-0001R | PS | IC,DBV6,LINEAR REGULATOR,ADJUSTABLE | U35, U8 | |
| | | DBV6 | TEXAS INSTRUMENTS | | TPS79301DBVRG4 | |
| 11 | 1 each | 102162-0001R | PS | IC,SSOP8,DUAL BI-DIRECTIONAL I2C BUS AND | U33 | |
| | | SSOP8-DCT | TEXAS INSTRUMENTS | | PCA9306DCTRE4 | |
| 13 | 1 each | 102376-0001R | PS | TRANSISTOR,SOT23,MOSFET,N-CHANNEL | Q4 | |
| | | SOT23-FET | DIODES INC. | | BSS123-7-F | |

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| 15 | 1 each | 101590-0270R ABM7 | PS | CRYSTAL,SMT,6mm,27 MHZ xtal2-75x94 | Y1 Citizen America Corporation | CS10-27.000MABJ-UT |
| 20 | 1 each | 101228-2201R EIA0805 | PS | FERRITE BEAD,SMT 0805,220 OHMS l805-35x60 | L1 Murata Electronics | BLM21PG221SN1D |
| 25 | 6 each | 102587-0100R NFM21 | PS | FILTER,SMT 0805,EMI,1uF,16V Murata Electronics | FIL1, FIL3, FIL4, FIL5, FIL6, FIL7 NFM21PC105F1C3D | |
| 28 | 6 each | 101893-0332R EIA2816P | PS | CAP,TANT,SMT 2816,330uF,6.3V,20% c7343-84x118 | C27, C28, C29, C76, C78, C80 AVX CORPORATION | TPSE337M006R0100 |
| 29 | 2 each | 101953-0331R EIA1206P | PS | CAP,TANT,SMT 1206,33uF,6.3V,LOW ESR c1206-40x70p | C82, C83 AVX CORPORATION | TPSA336K006R0600 |
| 30 | 18 each | 100994-1100R EIA0603 | PS | CAP,CER,SMT 0603,.1uF,16V,+/-10%,X7R c603-35x45 | C1, C10, C11, C12, C16, C17, C2, C23, C3, C30, C6, C62, C63, C67, C68, C7, C8, C9 KEMET ELECTRONICS CORPORATION | C0603C104K4RAC |
| 31 | 14 each | 100993-1101R EIA0603 | PS | CAP,CER,SMT 0603,.01uF,50V,+/-10%,X7R c603-35x45 | C14, C18, C24, C25, C26, C33, C4, C5, C66, C69, C74, C77, C79, C81 AVX CORPORATION | 06035C103KAT2A |
| 32 | 2 each | 102590-0470R EIA0603 | PS | CAP,CER,SMT 0603,4.7uF,6.3V,X5R,+/-20% c603-35x45 | C13, C15 PANASONIC | ECJ-1VB0J475M |
| 33 | 4 each | 101007-0100R EIA0603 | PS | CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% c603-35x45 | C19, C31, C32, C72 PANASONIC | ECJ-1VB0J105K |
| 34 | 2 each | 100993-1473R EIA0603 | PS | CAP,CER,SMT 0603,470pF,50V,+/-10%,X7R c603-35x45 | C64, C71 AVX CORPORATION | 06035C471KAT2A |
| 36 | 2 each | 101002-1224R EIA0603 | PS | CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO c603-35x45 | C35, C75 PANASONIC | ECJ-1VC1H220J |
| 37 | 2 each | 101002-1334R EIA0603 | PS | CAP,CER,SMT 0603,33pF,50V,+/-5%,NPO c603-35x45 | C60, C61 PANASONIC | ECJ-1VC1H330J |

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| 38 | 2 each | 100994-1471R EIA0603 | PS | CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R c603-35x45 | C65, C70 PANASONIC | ECJ-1VB1C473K |
| 39 | 2 each | 101103-1184R EIA0603 | PS | CAP,CER,SMT 0603,18pF,50V,+/-5%,NPO c603-35x45 | C84, C85 PANASONIC | ECJ-1VC1H180J |
| 40 | 2 each | 101007-0220R EIA0603 | PS | CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10% c603-35x45 | C34, C73 PANASONIC | ECJ-1VB0J225K |
| 45 | 8 each | 102586-2200R EXB-V8V | PS | RES,NETWORK,SMT,8 PIN,4 RES,22 PANASONIC | RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8 | EXB-V8V220JV |
| 50 | 4 each | 100642-2700R EIA0603 | PS | RES,SMT 0603,27 OHM,1%,1/16 WATT r603-35x45 | R1, R2, R3, R4 Yageo | RC0603FR-0727RL |
| 51 | 10 each | 100687-0001R EIA0603 | PS | RES,SMT 0603,0 OHM,1/16 WATT r603-35X45 | R19, R32, R36, R46, R47, R48, R51, R55, R60, R7 PANASONIC | ERJ-3GEY0R00V |
| 52 | 1 each | 100642-3012R EIA0603 | PS | RES,SMT 0603,3.01K OHM,1%,1/16 WATT r603-35x45 | R8 PANASONIC | ERJ-3EKF3011V |
| 53 | 1 each | 100642-2002R EIA0603 | PS | RES,SMT 0603,2K OHM,1%,1/16 WATT r603-35x45 | R9 Yageo | RC0603FR-072KL |
| 54 | 5 each | 100642-1003R EIA0603 | PS | RES,SMT 0603,10K OHM,1%,1/16 WATT r603-35x45 | R10, R14, R18, R21, R5 PANASONIC | ERJ-3EKF1002V |
| 55 | 3 each | 100642-3740R EIA0603 | PS | RES,SMT 0603,37.4 OHM,1%,1/16 WATT r603-35x45 | R11, R12, R13 PANASONIC | ERJ-3EKF37R4V |
| 56 | 1 each | 100642-4320R EIA0603 | PS | RES,SMT 0603,43.2 OHM,1%,1/16 WATT r603-35x45 | R16 PANASONIC | ERJ-3EKF43R2V |
| 57 | 1 each | 100642-1002R EIA0603 | PS | RES,SMT 0603,1K OHM,1%,1/16 WATT r603-35x45 | R17 PANASONIC | ERJ-3EKF1001V |
| 57 | 6 each | 100642-7500R EIA0603 | PS | RES,SMT 0603,75 OHM,1%,1/16 WATT r603-35x45 | R22, R23, R24, R57, R58, R59 PANASONIC | ERJ-3EKF75R0V |

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| 58 | 3 each | 100642-1001R EIA0603 | PS | RES,SMT 0603,100 OHM,1%,1/16 WATT r603-35x45 | R15, R25, R26 Yageo | RC0603FR-07100RL |
| 60 | 1 each | 100642-5113R EIA0603 | PS | RES,SMT 0603,51.1K OHM,1%,1/16 WATT r603-35x45 | R35 PANASONIC | ERJ-3EKF5112V |
| 61 | 2 each | 100642-1004R EIA0603 | PS | RES,SMT 0603,100K OHM,1%,1/16 WATT r603-35x45 | R50, R56 Yageo | RC0603FR-07100KL |
| 62 | 1 each | 100642-1433R EIA0603 | PS | RES,SMT 0603,14.3K OHM,1%,1/16 WATT r603-35x45 | R52 PANASONIC | ERJ-3EKF1432V |
| 63 | 2 each | 100642-3013R EIA0603 | PS | RES,SMT 0603,30.1K OHM,1%,1/16 WATT r603-35x45 | R34, R53 PANASONIC | ERJ-3EKF3012V |
| 64 | 1 each | 100642-1183R EIA0603 | PS | RES,SMT 0603,11.8K OHM,1%,1/16 WATT r603-35x45 | R54 PANASONIC | ERJ-3EKF1182V |
| 66 | 1 each | 102540-0012R RCJ-01 | PS | CONN,RCA,RIGHT ANGLE,RED CUI/STACK | J4 | RCJ-012 |
| 67 | 1 each | 102540-0016R RCJ-01 | PS | CONN,RCA,RIGHT ANGLE,GREEN CUI/STACK | J5 | RCJ-016 |
| 68 | 1 each | 102540-0015R RCJ-01 | PS | CONN,RCA,RIGHT ANGLE,BLUE CUI/STACK | J6 | RCJ-015 |
| 69 | 1 each | 101576-0015R DDF15MR | PS | CONN,DB15,HD,RECEPTACLE,RA Tyco Electronics | J2 | 1-1734530-3 |
| 70 | 1 each | 100880-0038R AMP767004 | PS | CONN,RECEPTACLE,VERTICAL,MICTOR,38 POS. this is the same part as 102226-0038R, the p/n is different for layout reasons. MICTOR38_TEKTRONIC Tyco Electronics _PINOUT | JT1 | 2-5767004-2 |
| 71 | 1 each | 101010-0025R SMTCON25X2 | PS | CONN,SMT,VERTICAL,HEADER,25X2,.44 HIGH SAMTEC, INC. | DC5 | TFM-125-32-S-D-LC |
| 72 | 1 each | 101010-0005R SMTCON5X2 | PS | CONN,SMT,VERTICAL,HEADER,5X2,.44 HIGH SAMTEC, INC. | DC6 | TFM-105-32-S-D-LC |

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| 73 | 1 each | 100115-0002R CON2 | PL | HEADER,2 X 1,VERTICAL,PIN JUMP1X2-6040 | JP2 SPECTRUM DIGITAL INC. | |
| 74 | 2 each | 100162-0001R TP046 | PS | TEST POINT,BLUE MOUSER ELECTRONICS | AGND, DGND 151-205-RC | |
| 80 | 3 each | NO-POP NO-POP | PS | | CLK1, CLK2, CLKIN | |
| 90 | 4 each | R0603-NOPOP EIA0603 | PS | r603-35X45 | R20, R33, R49, R6 | |
| 95 | 3 each | C0603-NOPOP EIA0603 | PS | c603-35x45 | C57, C58, C59 | |