0 I + G 0 I + G >NAME >VALUE >VALUE SUPPLY SYMBOL SUPPLY SYMBOL RESISTOR >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR wave soldering >NAME >VALUE RESISTOR Source: http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/dcrcwfre.pdf >NAME >VALUE RESISTOR wave soldering Source: http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/dcrcwfre.pdf >NAME >VALUE RESISTOR MELF 0.10 W >NAME >VALUE RESISTOR MELF 0.25 W >NAME >VALUE RESISTOR MELF 0.12 W >NAME >VALUE RESISTOR MELF 0.10 W >NAME >VALUE RESISTOR MELF 0.25 W >NAME >VALUE RESISTOR MELF 0.25 W >NAME >VALUE RESISTOR MELF 0.12 W >NAME >VALUE RESISTOR MELF 0.25 W >NAME >VALUE RESISTOR type 0204, grid 5 mm >NAME >VALUE RESISTOR type 0204, grid 7.5 mm >NAME >VALUE RESISTOR type 0207, grid 10 mm >NAME >VALUE RESISTOR type 0207, grid 12 mm >NAME >VALUE RESISTOR type 0207, grid 15mm >NAME >VALUE RESISTOR type 0207, grid 2.5 mm >NAME >VALUE RESISTOR type 0207, grid 5 mm >NAME >VALUE RESISTOR type 0207, grid 7.5 mm >NAME >VALUE RESISTOR type 0309, grid 10mm >NAME >VALUE RESISTOR type 0309, grid 12.5 mm >NAME >VALUE RESISTOR type 0411, grid 12.5 mm >NAME >VALUE RESISTOR type 0411, grid 15 mm >NAME >VALUE RESISTOR type 0411, grid 3.81 mm >NAME >VALUE RESISTOR type 0414, grid 15 mm >NAME >VALUE RESISTOR type 0414, grid 5 mm >NAME >VALUE RESISTOR type 0617, grid 17.5 mm >NAME >VALUE RESISTOR type 0617, grid 22.5 mm >NAME >VALUE RESISTOR type 0617, grid 5 mm >NAME >VALUE RESISTOR type 0922, grid 22.5 mm >NAME >VALUE RESISTOR type 0613, grid 5 mm >NAME >VALUE RESISTOR type 0613, grid 15 mm >NAME >VALUE RESISTOR type 0817, grid 22.5 mm >NAME >VALUE 0817 RESISTOR type 0817, grid 6.35 mm >NAME >VALUE 0817 RESISTOR type V234, grid 12.5 mm >NAME >VALUE RESISTOR type V235, grid 17.78 mm >NAME >VALUE RESISTOR type V526-0, grid 2.5 mm >NAME >VALUE Mini MELF 0102 Axial >NAME >VALUE RESISTOR type 0922, grid 7.5 mm >NAME >VALUE 0922 CECC Size RC2211 Reflow Soldering source Beyschlag >NAME >VALUE CECC Size RC2211 Wave Soldering source Beyschlag >NAME >VALUE CECC Size RC3715 Reflow Soldering source Beyschlag >NAME >VALUE CECC Size RC3715 Wave Soldering source Beyschlag >NAME >VALUE CECC Size RC6123 Reflow Soldering source Beyschlag >NAME >VALUE CECC Size RC6123 Wave Soldering source Beyschlag >NAME >VALUE RESISTOR type RDH, grid 15 mm >NAME >VALUE RDH RESISTOR type 0309, grid 2.5 mm >NAME >VALUE RESISTOR chip Source: http://www.vishay.com/docs/20008/dcrcw.pdf >NAME >VALUE Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RNC55
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 >NAME >VALUE >Name >Value <h3>SWITCH-SPDT_KIT</h3> Through-hole SPDT Switch

 Warning: This is the KIT version of this package. This package has a smaller diameter top stop mask, which doesn't cover the diameter of the pad. This means only the bottom side of the pads' copper will be exposed. You'll only be able to solder to the bottom side. >NAME >VALUE >NAME >VALUE >NAME >VALUE DPDT Slide Switch SMD www.SparkFun.com SKU : Comp-SMDS >Name >Value >Name >Value OMRON SWITCH >NAME >VALUE <h3>4.6 x 2.8mm Tactile Switch</h3> Example >Name >Value >NAME >VALUE >NAME >Value <h3>Momentary Switch (Pushbutton) - SPST - SMD, 5.2mm Square</h3> Normally-open (NO) SPST momentary switches (buttons, pushbuttons). Dimensional Drawing >Name >Value SparkFun SKU# COM-08229 SSSS811101
 SWITCH-SPDT_KIT Through-hole SPDT Switch Warning: This is the KIT version of this package. This package has a smaller diameter top stop mask, which doesn't cover the diameter of the pad. This means only the bottom side of the pads' copper will be exposed. You'll only be able to solder to the bottom side. DPDT Slide Switch SMD www.SparkFun.com SKU : Comp-SMDS OMRON SWITCH <h3>4.6 x 2.8mm Tactile Switch</h3> Example Momentary Switch (Pushbutton) - SPST - SMD, 5.2mm Square Normally-open (NO) SPST momentary switches (buttons, pushbuttons). Dimensional Drawing >NAME >VALUE >NAME >VALUE Various NO switches- pushbuttons, reed, etc SPDT Switch
 Simple slide switch, Spark Fun Electronics SKU : COM-00102
 DPDT SMT slide switch, AYZ0202, SWCH-08179 >Name >Value CAPACITOR chip >NAME >VALUE >NAME >VALUE >NAME >VALUE >NAME >VALUE >NAME >VALUE CTZ3 Series land pattern for variable capacitor - CTZ3E-50C-W1-PF >NAME >VALUE This is the "EZ" version of the .1" spaced ceramic thru-hole cap.
 It has reduced top mask to make it harder to put the component on the wrong side of the board. >Name >Value <h3>CAP-PTH-SMALL-KIT</h3> Commonly used for small ceramic capacitors. Like our 0.1uF (http://www.sparkfun.com/products/8375) or 22pF caps (http://www.sparkfun.com/products/8571).

 Warning: This is the KIT version of this package. This package has a smaller

diameter top stop mask, which doesn't cover the diameter of the pad. This means only the bottom side of the pads' copper will be exposed. You'll only be able to solder to the bottom side. >Name >Value >Name >Value >Name >Value >NAME >VALUE >Name >Value >NAME >VALUE Capacitor Standard 0603 ceramic capacitor, and 0.1" leaded capacitor. Resistors, Capacitors, Inductors <p> Based on the previous libraries: <ul> r.lbr cap.lbr cap-fe.lbr captant.lbr polcap.lbr ipc-smd.lbr All SMD packages are defined according to the IPC specifications and CECC<p> <author>Created by librarian@cadsoft.de</author><p> <p> for Electrolyt Capacitors see also :<p> www.bccomponents.com <p> www.panasonic.com<p> www.kemet.com<p> http://www.secc.co.jp/pdf/os_e/2004/e_os_all.pdf (SANYO) <p> for trimmer refence see : <u>www.electrospec-inc.com/cross_references/trimpotcrossref.asp</u><p> <table border=0 cellspacing=0 cellpadding=0 width="100%" cellpaddding=0> <tr valign="top"> <! <td width="10"> </td> <td width="90%"> TRIM-POT CROSS REFERENCE <P> <TABLE BORDER=0 CELLSPACING=1 CELLPADDING=2> <TR> <TD COLSPAN=8> <FONT SIZE=3 FACE=ARIAL><B>RECTANGULAR MULTI-TURN</B></FONT> </TD> </TR> <TR> <TD ALIGN=CENTER> <B> <FONT SIZE=3 FACE=ARIAL color="#FF0000">BOURNS</FONT> </B> </TD> <TD ALIGN=CENTER> <B> <FONT SIZE=3 FACE=ARIAL color="#FF0000">BI TECH</FONT> </B> </TD> <TD ALIGN=CENTER> <B> <FONT SIZE=3 FACE=ARIAL color="#FF0000">DALE-VISHAY</FONT> </B> </TD> <TD ALIGN=CENTER> <B> <FONT SIZE=3 FACE=ARIAL color="#FF0000">PHILIPS/MEPCO</FONT> </B> </TD> <TD ALIGN=CENTER> <B> <FONT SIZE=3 FACE=ARIAL color="#FF0000">MURATA</FONT> </B> </TD> <TD ALIGN=CENTER> <B> <FONT SIZE=3 FACE=ARIAL color="#FF0000">PANASONIC</FONT> </B> </TD> <TD ALIGN=CENTER> <B> <FONT SIZE=3 FACE=ARIAL color="#FF0000">SPECTROL</FONT> </B> </TD> <TD ALIGN=CENTER> <B> <FONT SIZE=3 FACE=ARIAL color="#FF0000">MILSPEC</FONT> </B> </TD><TD> </TD> </TR> <TR> <TD BGCOLOR="#cccccc" ALIGN=CENTER><FONT FACE=ARIAL SIZE=3 > 3005P
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FACE=ARIAL><B>BI TECH</B></FONT> </TD> <TD> <FONT SIZE=3 FACE=ARIAL><B>DALE-VISHAY</B></FONT> </TD>
<TD> <FONT SIZE=3 FACE=ARIAL><B>PHILIPS/MEPCO</B></FONT> </TD> <TD> <FONT SIZE=3 FACE=ARIAL>
<B>PANASONIC</B></FONT> </TD> <TD> <FONT SIZE=3 FACE=ARIAL><B>TOCOS</B></FONT> </TD> <TD> <FONT SIZE=3
FACE=ARIAL><B>AUX/KYOCERA</B></FONT> </TD> </TR> <TR> <TD BGCOLOR="#cccccc" ALIGN=CENTER><FONT
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 DVR-43A
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</td> </tr> </table> ELECTROLYTIC CAPACITOR<p> grid 2.032 mm, diameter 5 mm >NAME >VALUE TANTALUM
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2.54 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> body 7.6 x 5 mm, rectangle, grid 5.08 mm >NAME >VALUE
ELECTROLYTIC CAPACITOR<p> body 12.7 x 7.6 mm, rectangle, grid 10.16 mm >NAME >VALUE ELECTROLYTIC
CAPACITOR<p> body 12.5 x 12.5 mm, rectangle, grid 10.16 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p>
diameter 4 mm, grid 2.54 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> diameter 4 mm, grid 2.54 mm >NAME
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diameter 10 mm, grid 5.08 mm >NAME >VALUE TT ELECTROLYTIC CAPACITOR<p> diameter 11 mm, grid 5.08 mm >NAME
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grid 5.08 mm >NAME >VALUE TT ELECTROLYTIC CAPACITOR<p> diameter 7.0 mm, grid 5.08 mm >NAME >VALUE TT
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<p> diameter 8.0 mm, grid 5.08 mm >NAME >VALUE TT ELECTROLYTIC CAPACITOR<p> grid 1.8 mm, diameter 4 mm >NAME
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CAPACITOR<p> grid 15.24 mm, diameter 6 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 15.24 mm, diameter 9 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 2.54 mm, diameter 4 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 2.54 mm, diameter 5 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 2.54 mm, diameter 6 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 2.54 mm, diameter 7 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 2.54 mm, diameter 4 mm, >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 2 mm, diameter 4 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 22.86 mm, diameter 10 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 22.86 mm, diameter 6 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 22.86 mm, diameter 9 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 3.5 mm, diameter 10 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 25.4 mm, diameter 10 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 25.4 mm, diameter 9 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 3.5 mm, diameter 8 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 30.48 mm, diameter 10 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 30.48 mm, diameter 12 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 30.48 mm, diameter 16 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 35.56 mm, diameter 12 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 30.48 mm, diameter 14 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 30.48 mm, diameter 16 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 30.48 mm, diameter 18 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 45.72 mm, diameter 16 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 45.72 mm, diameter 18 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 45.72 mm, diameter 21 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 45.72 mm, diameter 22 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 45.72 mm, diameter 25 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 5.08 mm, diameter 10.5 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 5.08 mm, diameter 13 mm >NAME >VALUE ELECTROLYTIC CAPACITOR<p> grid 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CAPACITOR<p> grid 10.16 mm, diameter 35 mm >NAME >VALUE Aluminum electrolytic capacitors reflow soldering<p> SMD (Chip) Standard 085 CS<p> http://www.bccomponents.com/ >NAME >VALUE Aluminum electrolytic capacitors wave soldering<p> SMD (Chip) Standard 085 CS<p> http://www.bccomponents.com/ >NAME >VALUE Aluminum electrolytic capacitors reflow soldering<p> SMD (Chip) Standard 085 CS<p> http://www.bccomponents.com/ >NAME >VALUE Aluminum electrolytic capacitors wave soldering<p> SMD (Chip) Standard 085 CS<p> http://www.bccomponents.com/ >NAME >VALUE Aluminum electrolytic capacitors reflow soldering<p> SMD (Chip) Long Life 139 CLL<p> http://www.bccomponents.com/ >NAME >VALUE Aluminum electrolytic capacitors wave soldering<p> SMD (Chip) Long Life 139 CLL<p> http://www.bccomponents.com/ >NAME >VALUE Aluminum electrolytic capacitors reflow soldering<p> SMD (Chip) Long Life 139 CLL<p> http://www.bccomponents.com/ >NAME >VALUE Aluminum electrolytic capacitors wave soldering<p> SMD (Chip) Long 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>VALUE Aluminum electrolytic capacitors<p> High Temperature solid electrolytic SMD 175 TMP<p> http://www.bccomponents.com/ >NAME >VALUE Chip Capacitor Type KEMET A / EIA 3216-18 reflow solder<p>KEMET S / EIA 3216-12 >NAME >VALUE Chip Capacitor Type KEMET A / EIA 3216-18 Wave solder<p> KEMET S / EIA 3216-12 >NAME >VALUE Chip Capacitor Type KEMET B / EIA 3528-21 reflow solder<p>KEMET T / EIA 3528-12 >NAME >VALUE Chip Capacitor Type KEMET B / EIA 3528-21 Wave solder<p> KEMET T / EIA 3528-12 >NAME >VALUE Chip Capacitor Type KEMET C / EIA 6032-28 reflow solder<p>KEMET U / EIA 6032-15 >NAME >VALUE Chip Capacitor Type KEMET C / EIA 6032-28 Wafe solder<p> KEMET U / EIA 6032-15 >NAME >VALUE Chip Capacitor Type KEMET D / EIA 7343-21<p>KEMET V / EIA 7343-20, KEMET X / EIA 7343-43 reflow solder >NAME >VALUE Chip Capacitor Type KEMET D / EIA 7343-21<p> KEMET V / EIA 7343-20, KEMET X / EIA 7343-43 Wafe solder >NAME >VALUE Chip Capacitor Type KEMET E / EIA 7260-38 reflow solder >NAME >VALUE Chip Capacitor Type KEMET E / EIA 7260-38 Wafe solder >NAME >VALUE Chip Capacitor Type KEMET R/EIA 2012-12 reflow solder >NAME >VALUE Chip Capacitor Type KEMET R/EIA 2012-12 Wafe solder >NAME >VALUE Panasonic Aluminium Electrolytic Capacitor VS-Serie Package A >NAME >VALUE Panasonic Aluminium Electrolytic Capacitor VS-Serie Package B >NAME >VALUE Panasonic Aluminium Electrolytic Capacitor VS-Serie Package C >NAME >VALUE Panasonic Aluminium Electrolytic Capacitor VS-Serie Package D >NAME >VALUE Panasonic Aluminium Electrolytic Capacitor VS-Serie Package E >NAME >VALUE Panasonic Aluminium Electrolytic Capacitor VS-Serie Package F >NAME >VALUE Panasonic Aluminium Electrolytic Capacitor VS-Serie Package G >NAME >VALUE ELECTROLYTIC CAPACITOR<p> diameter 5 mm, grid 2.54 mm >NAME >VALUE TT ELECTROLYTIC CAPACITOR<p> grid 2.54 mm, diameter 6 mm >NAME >VALUE SANYO OSCON Capacitor<p> Source: e_os_all.pdf >NAME >VALUE SANYO OSCON Capacitor<p> Source: e_os_all.pdf >NAME >VALUE SANYO OSCON Capacitor<p> 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 Source: www.farnell.com/datasheets/247.pdf >NAME >VALUE ELECTROLYTIC CAPACITOR grid 2.032 mm, diameter 5 mm TANTALUM CAPACITOR TANTALUM CAPACITOR TANTALUM CAPACITOR TANTALUM CAPACITOR ELECTROLYTIC CAPACITOR body 5 x 5 mm, rectangle, grid 2.54 mm ELECTROLYTIC CAPACITOR body 7.6 x 5 mm, rectangle, grid 5.08 mm ELECTROLYTIC CAPACITOR body 12.7 x 7.6 mm, rectangle, grid 10.16 mm ELECTROLYTIC CAPACITOR body 12.5 x 12.5 mm, rectangle, grid 10.16 mm ELECTROLYTIC CAPACITOR diameter 4 mm, grid 2.54 mm ELECTROLYTIC CAPACITOR diameter 4 mm, grid 2.54 mm ELECTROLYTIC CAPACITOR diameter 5 mm, grid 2.54 mm ELECTROLYTIC CAPACITOR diameter 6 mm, grid 2.54 mm ELECTROLYTIC CAPACITOR diameter 6 mm, grid 2.54 mm ELECTROLYTIC CAPACITOR diameter 7 mm, grid 2.54 mm ELECTROLYTIC CAPACITOR diameter 10 mm, grid 5.08 mm ELECTROLYTIC CAPACITOR diameter 11 mm, grid 5.08 mm ELECTROLYTIC CAPACITOR diameter 11 mm, grid 5.08 mm ELECTROLYTIC CAPACITOR diameter 6 mm, grid 5.08 mm ELECTROLYTIC CAPACITOR diameter 6 mm, 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grid 10.16 mm, diameter 25 mm ELECTROLYTIC CAPACITOR grid 10.16 mm, diameter 30 mm ELECTROLYTIC CAPACITOR grid 10.16 mm, diameter 35 mm Aluminum electrolytic capacitors reflow soldering SMD (Chip) Standard 085 CS http://www.bccomponents.com/ Aluminum electrolytic capacitors wave soldering SMD (Chip) Standard 085 CS http://www.bccomponents.com/ Aluminum electrolytic capacitors wave soldering SMD (Chip) Standard 085 CS http://www.bccomponents.com/ Chip Capacitor Type KEMET A / EIA 3216-18 reflow solderKEMET S / EIA 3216-12 Chip Capacitor Type KEMET A / EIA 3216-18 Wave solder KEMET S / EIA 3216-12 Chip Capacitor Type KEMET B / EIA 3528-21 reflow solderKEMET T / EIA 3528-12 Chip Capacitor Type KEMET B / EIA 3528-21 Wave solder KEMET T / EIA 3528-12 Chip Capacitor Type KEMET E / EIA 7260-38 reflow solder Chip Capacitor Type KEMET E / EIA 7260-38 Wafe solder Panasonic Aluminium Electrolytic Capacitor VS-Serie Package A Panasonic Aluminium Electrolytic Capacitor VS-Serie Package B Panasonic Aluminium Electrolytic Capacitor VS-Serie Package C Panasonic Aluminium Electrolytic Capacitor VS-Serie Package D Panasonic Aluminium Electrolytic Capacitor VS-Serie Package E Panasonic Aluminium Electrolytic Capacitor VS-Serie Package F Panasonic Aluminium Electrolytic Capacitor VS-Serie Package G ELECTROLYTIC CAPACITOR diameter 5 mm, grid 2.54 mm ELECTROLYTIC CAPACITOR grid 2.54

mm, diameter 6 mm SANYO OSCON Capacitor Source: e_os_all.pdf SANYO OSCON Capacitor SMD type with conductive polymer electrolyte Source: e_os_all.pdf SANYO OSCON Capacitor SMD type with conductive polymer electrolyte Source: e_os_all.pdf SANYO OSCON Capacitor SMD type with conductive polymer electrolyte Source: e_os_all.pdf SANYO OSCON Capacitor SMD type with conductive polymer electrolyte Source: e_os_all.pdf SANYO OSCON Capacitor SMD type with conductive polymer electrolyte Source: e_os_all.pdf SANYO OSCON Capacitor SMD type with conductive polymer electrolyte Source: e_os_all.pdf SANYO OSCON Capacitor SMD type with conductive polymer electrolyte Source: e_os_all.pdf ALUMINUM ELECTROLYTIC CAPACITORS UD Series 10 x 10 mm Source: http://products.nichicon.co.jp/en/pdf/XJA043/e-ud.pdf ALUMINUM ELECTROLYTIC CAPACITORS UD Series 4 x 5.8 mm Source: http://products.nichicon.co.jp/en/pdf/XJA043/e-ud.pdf ALUMINUM ELECTROLYTIC CAPACITORS UD Series 5 x 5.8 mm Source: http://products.nichicon.co.jp/en/pdf/XJA043/e-ud.pdf ALUMINUM ELECTROLYTIC CAPACITORS UD Series 6.3 x 5.8 mm Source: http://products.nichicon.co.jp/en/pdf/XJA043/e-ud.pdf ALUMINUM ELECTROLYTIC CAPACITORS UD Series 6.3 x 7.7 mm Source: http://products.nichicon.co.jp/en/pdf/XJA043/e-ud.pdf ALUMINUM ELECTROLYTIC CAPACITORS UD Series 8 x 10 mm Source: http://products.nichicon.co.jp/en/pdf/XJA043/e-ud.pdf ELECTROLYTIC CAPACITOR ELECTROLYTIC CAPACITOR grid 5.08 mm, diameter 5 mm Chip Capacitor Type KEMET C / EIA 6032-28 Wafe solder KEMET U / EIA 6032-15 Chip Capacitor Type KEMET D / EIA 7343-21KEMET V / EIA 7343-20, KEMET X / EIA 7343-43 reflow solder Chip Capacitor Type KEMET D / EIA 7343-21 KEMET V / EIA 7343-20, KEMET X / EIA 7343-43 Wafe solder Chip Capacitor Type KEMET R/EIA 2012-12 Wafe solder ELECTROLYTIC CAPACITOR diameter 7 mm, grid 2.54 mm ELECTROLYTIC CAPACITOR grid 5.08 mm, diameter 10.5 mm Aluminum electrolytic capacitors reflow soldering SMD (Chip) Standard 085 CS http://www.bccomponents.com/ Aluminum electrolytic capacitors reflow soldering SMD (Chip) Long Life 139 CLL http://www.bccomponents.com/ Aluminum electrolytic capacitors wave soldering SMD (Chip) Long Life 139 CLL http://www.bccomponents.com/ Aluminum electrolytic capacitors reflow soldering SMD (Chip) Long Life 139 CLL http://www.bccomponents.com/ Aluminum electrolytic capacitors wave soldering SMD (Chip) Long Life 139 CLL http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long life base plate, High temperature 140 CLH http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long life base plate, High temperature 140 CLH http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long life base plate, High temperature 140 CLH http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long life base plate, very low impedance 150 CLZ http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long life base plate, very low impedance 150 CLZ http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long life base plate, very low impedance 150 CLZ http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long Life Vertical 153 CLV http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long Life Vertical 153 CLV http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long Life Vertical 153 CLV http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long Life Vertical 153 CLV http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long Life Vertical 153 CLV http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long Life Vertical 153 CLV http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long Life Vertical 153 CLV http://www.bccomponents.com/ Aluminum electrolytic capacitors SMD (Chip) Long Life Vertical 153 CLV http://www.bccomponents.com/ Aluminum electrolytic capacitors High Temperature solid electrolytic SMD 175 TMP http://www.bccomponents.com/ Aluminum electrolytic capacitors High Temperature solid electrolytic SMD 175 TMP http://www.bccomponents.com/ Chip Capacitor Type KEMET C / EIA 6032-28 reflow solderKEMET U / EIA 6032-15 Chip Capacitor Type KEMET R/EIA 2012-12 reflow solder Chip Capacitor Polar tantalum capacitors with solid electrolyte Siemens Matsushita Components B 45 194, B 45 197, B 45 198 Source: www.farnell.com/datasheets/247.pdf Chip Capacitor Polar tantalum capacitors with solid electrolyte Siemens Matsushita Components B 45 194 Source: www.farnell.com/datasheets/247.pdf Chip Capacitor Polar tantalum capacitors with solid electrolyte Siemens Matsushita Components B 45 194 Source: www.farnell.com/datasheets/247.pdf Chip Capacitor Polar tantalum capacitors with solid electrolyte Siemens Matsushita Components B 45 194, B 45 197, B 45 198 Source: www.farnell.com/datasheets/247.pdf Chip Capacitor Polar tantalum capacitors with solid electrolyte Siemens Matsushita Components B 45 194, B 45 197, B 45 198 Source: www.farnell.com/datasheets/247.pdf Chip Capacitor Polar tantalum capacitors with solid electrolyte Siemens Matsushita Components B 45 194, B 45 197, B 45 198 Source: www.farnell.com/datasheets/247.pdf Chip Capacitor Polar tantalum capacitors with solid electrolyte Siemens Matsushita Components B 45 194, B 45 197, B 45 198 Source: www.farnell.com/datasheets/247.pdf >NAME >VALUE <B>POLARIZED CAPACITOR</B>, American symbol <h2> microBuilder.eu Eagle Footprint Library</h2> <p>Footprints for common components used in our projects and products. This is the same library that we use internally, and it is regularly updated. The newest version can always be found at www.microBuilder.eu. If you find this library useful, please feel free to purchase something from our online store. Please also note that all holes are optimised for metric drill bits!</p> <h3>Obligatory Warning</h3> <p>While it probably goes without saying, there are no guarantees that the footprints or schematic symbols in this library are flawless, and we make no promises of fitness for production, prototyping or any other purpose. These libraries are provided for information puposes only, and are used at your own discretion. While we make every effort to produce accurate footprints, and many of the items found in this library have be proven in production, we can't make any promises of suitability for a specific purpose. If you do find any errors, though, please feel free to contact us at www.microbuilder.eu to let us know about it so that we can update the library accordingly!</p> <h3>License</h3> <p>This work is placed in the public domain, and may be freely used for commercial and non-commercial work with the following conditions:</p> <p>THIS SOFTWARE IS PROVIDED ''AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. </p> 3,0 1,0 2,0 3,0 PIN HEADER >NAME >VALUE >NAME >VALUE <p>Pin Headers
 2 Pin, 0.1"/2.54mm pitch, SMT</p> >NAME >VALUE >NAME >VALUE >NAME >VALUE >VALUE >NAME >VALUE GND Mounting Hole <p>For #2 screws (0.086"/2.18mm width, 0.094"/2.4mm hole) use 2.5mm</p> PIN HEADER >NAME >VALUE 2-Pin JST PH Series Right-Angle Connector (+/- for batteries) >Name >Value - + >NAME >VALUE >Name >Value >NAME 1 >NAME 1 HEADER >NAME >VALUE 1 HEADER >NAME >VALUE HEADER >NAME >VALUE 2-Pin JST PH Series Right-Angle Connector (+/- for batteries) HEADER HEADER HEADER >NAME >VALUE >NAME >VALUE >NAME >VALUE USB Connectors 24 Receptacle 1 8.94*7.3mm RoHS Check availability JST 2-Pin Right-Angle Connector <ul> PH-Series - 4UConnector: 17311 SH-Series - 4UConnector: 07278 --dubpixel inc-- 3386P-1-103TLF-1
 >Name >Value 3386P-1-103TLF-1
 >NAME >VALUE 1 3 Trimmer Resistors - Through Hole<p> Source: Datasheet CHIPLED 0805 >NAME >VALUE A C

CHIPLED 0603 >NAME >VALUE >NAME >VALUE >NAME >VALUE A C CHIPLED 1206 >NAME >VALUE A C >NAME >VALUE <p>PLCC2 - Reverse Mount</p> <p>Source: http://catalog.osram-os.com/media/_en/Graphics/00042122_0.pdf</p> >NAME >VALUE <p>Source: http://www.cree.com/~/media/Files/Cree/LED%20Components%20and%20Modules/XLamp/Data%20and%20Binning/XLampXPE2.pdf</p> >NAME >VALUE >NAME >VALUE Everlight -62-217D lcsc part : C82669 https://datasheet.lcsc.com/lcsc/1810010233_Everlight-Elec-62-217D-KK4D-H5757R2R52633Z15-2T-GC_C82669.pdf >NAME >VALUE HONGLITRONIC(Hongli Zhihui (HONGLITRONIC)) HL-A-5730D1W-S1-08-HR3(LY) C210349 https://datasheet.lcsc.com/szlcsc/2009021504_HONGLITRONIC-Hongli-Zhihui-HONGLITRONIC-HL-A-5730D1W-S1-08-HR3-LY_C210349.pdf >NAME >VALUE CHIPLED 0805 >NAME >VALUE A C CHIPLED 0805 CHIPLED 0603 CHIPLED 1206 PLCC2 - Reverse Mount Source: http://catalog.osram-os.com/media/_en/Graphics/00042122_0.pdf Source: http://www.cree.com/~/media/Files/Cree/LED%20Components%20and%20Modules/XLamp/Data%20and%20Binning/XLampXPE2.pdf Everlight -62-217D lcsc part : C82669 https://datasheet.lcsc.com/lcsc/1810010233_Everlight-Elec-62-217D-KK4D-H5757R2R52633Z15-2T-GC_C82669.pdf HONGLITRONIC(Hongli Zhihui (HONGLITRONIC)) HL-A-5730D1W-S1-08-HR3(LY) C210349 https://datasheet.lcsc.com/szlcsc/2009021504_HONGLITRONIC-Hongli-Zhihui-HONGLITRONIC-HL-A-5730D1W-S1-08-HR3-LY_C210349.pdf CHIPLED 0805 >NAME >VALUE >NAME >VALUE <p>LED</p> 0603 - 0603 Surface Mount Package <hr> <p><u>2mA:</u></p> Green LED - Low Power (3.9mcd, 2ma, 1.7Vf) - Digikey: 475-2709-2-ND Orange LED - Low Power (9.8mcd, 2ma, 1.8Vf) - Digikey: 475-1194-2-ND Red LED - Low Power (5mcd, 2ma, 1.8Vf) - Digikey: 475-1195-2-ND Yellow LED - Low Power (7mcd, 2ma, 1.8Vf) - Digikey: 475-1196-2-ND <p><u>5mA:</u></p> Blue LED - Low Power (17mcd, 5ma, 2.9Vf) - Digikey: LNJ937W8CRACT-ND 0805 - 0805 Surface Mount Package <hr> <p><u>2mA:</u></p> Red LED (8.8mcd, 2mA, 1.8Vf, Clear) - Low Power [Digikey: 475-2510-1-ND] Green LED (5mcd, 2mA, 1.8Vf, Clear) - Low Power [Digikey: 475-2730-1-ND] Yellow LED (11.3mcd, 2mA, 1.8Vf, Clear) - Low Power [Digikey: 475-2555-1-ND] <p><u>20mA:</u></p> Red LED (104mcd, 20mA, Diffused) - LS R976 [Digikey: 475-1278-6-ND] Red LED (12mcd, 20mA, 2.0Vf, Clear) - APT2012EC [Digikey: 754-1128-1-ND] Green LED (15mcd, 20mA, 2.2Vf, Clear) - APT2012GC [Digikey: 754-1131-1-ND] Orange LED (160mcd, 20mA, 2.1Vf, Clear) - APT2012SECK [Digikey: 754-1130-1-ND] 1206 - 1206 Surface Mount Package <hr> Green LED (26mcd, 20mA, Diffused) - LG N971 [Digikey: 475-1407-6-ND] Red LED (15mcd, 20mA, Diffused) - LH N974 [Digikey: 475-1416-6-ND]   Cree - Cree High-Power Surface Mount LEDs <hr> XPEBWT-L1-0000-00D50 - White 111lm 350mA 2.9Vf 6200K 110° XTEAWT-00-0000-00000LEE3 - White 114lm 350mA 2.85Vf 5000K 115° Everlight - Everlight 45-21 Series Surface Mount LEDs <hr> 45-21/QK2C-B2832AC2CB2/2T - Warm White 2000mcd 20mA 3.25Vf 3050K 120° 45-21/LK2C-B38452C4CB2/2T - Nuetral White 2000mcd 20mA 3.25Vf 4150K 120° 45-21/LK2C-B50634C6CB2/2T - Cold White 2200mcd 20mA 3.25Vf 5650K 120° PLCC2 Reverse Mount <hr> LS T77K-J1L2-1-0-2-R18-Z - Red 11.25mcd 2mA 1.8Vf 630nm 120° LO T77K-L1M2-24-Z - Orange 19.6mcd 2mA 1.8Vf 606nm 120° LY T77K-K2M1-26-Z - Yellow 15.7mcd 2mA 1.8Vf 587nm 120° Honglitronic - HL-A-5730D1W-S1-08-HR3(LY) <hr> -LCPART C210349   https://datasheet.lcsc.com/szlcsc/2009021504_HONGLITRONIC-Hongli-Zhihui-HONGLITRONIC-HL-A-5730D1W-S1-08-HR3-LY_C210349.pdf - Warm White   Everlight - Everlight 62-217D Series Surface Mount LEDs <hr> -62-217D-KK4D-H5757R2R52633Z15-2T-GC = LCPART C82669 - Warm White   <p>LED</p> 0603 - 0603 Surface Mount Package <hr> <p><u>2mA:</u></p> Green LED - Low Power (3.9mcd, 2ma, 1.7Vf) - Digikey: 475-2709-2-ND Orange LED - Low Power (9.8mcd, 2ma, 1.8Vf) - Digikey: 475-1194-2-ND Red LED - Low Power (5mcd, 2ma, 1.8Vf) - Digikey: 475-1195-2-ND Yellow LED - Low Power (7mcd, 2ma, 1.8Vf) - Digikey: 475-1196-2-ND <p> <u>5mA:</u></p> Blue LED - Low Power (17mcd, 5ma, 2.9Vf) - Digikey: LNJ937W8CRACT-ND 0805 - 0805 Surface Mount Package <hr> <p><u>2mA:</u></p> Red LED (8.8mcd, 2mA, 1.8Vf, Clear) - Low Power [Digikey: 475-2510-1-ND] Green LED (5mcd, 2mA, 1.8Vf, Clear) - Low Power [Digikey: 475-2730-1-ND] Yellow LED (11.3mcd, 2mA, 1.8Vf, Clear) - Low Power [Digikey: 475-2555-1-ND] <p><u>20mA:</u></p> Red LED (104mcd, 20mA, Diffused) - LS R976 [Digikey: 475-1278-6-ND] Red LED (12mcd, 20mA, 2.0Vf, Clear) - APT2012EC [Digikey: 754-1128-1-ND] Green LED (15mcd, 20mA, 2.2Vf, Clear) - APT2012GC [Digikey: 754-1131-1-ND] Orange LED (160mcd, 20mA, 2.1Vf, Clear) - APT2012SECK [Digikey: 754-1130-1-ND] 1206 - 1206 Surface Mount Package <hr> Green LED (26mcd, 20mA, Diffused) - LG N971 [Digikey: 475-1407-6-ND] Red LED (15mcd, 20mA, Diffused) - LH N974 [Digikey: 475-1416-6-ND] Cree - Cree High-Power Surface Mount LEDs <hr> XPEBWT-L1-0000-00D50 - White 111lm 350mA 2.9Vf 6200K 110° XTEAWT-00-0000-00000LEE3 - White 114lm 350mA 2.85Vf 5000K 115° Everlight - Everlight 45-21 Series Surface Mount LEDs <hr> 45-21/QK2C-B2832AC2CB2/2T - Warm White 2000mcd 20mA 3.25Vf 3050K 120° 45-21/LK2C-B38452C4CB2/2T - Nuetral White 2000mcd 20mA 3.25Vf 4150K 120° 45-21/LK2C-B50634C6CB2/2T - Cold White 2200mcd 20mA 3.25Vf 5650K 120° PLCC2 Reverse Mount <hr> LS T77K-J1L2-1-0-2-R18-Z - Red 11.25mcd 2mA 1.8Vf 630nm 120° LO T77K-L1M2-24-Z - Orange 19.6mcd 2mA 1.8Vf 606nm 120° LY T77K-K2M1-26-Z - Yellow 15.7mcd 2mA 1.8Vf 587nm 120° Honglitronic - HL-A-5730D1W-S1-08-HR3(LY) <hr> -LCPART C210349   https://datasheet.lcsc.com/szlcsc/2009021504_HONGLITRONIC-Hongli-Zhihui-HONGLITRONIC-HL-A-5730D1W-S1-08-HR3-LY_C210349.pdf - Warm White   Everlight - Everlight 62-217D Series Surface Mount LEDs <hr> -62-217D-KK4D-H5757R2R52633Z15-2T-GC = LCPART C82669 - Warm White   Small Outline Transistor 6 lead >VALUE >NAME 8-SOIC, 1.27 mm pitch, 6.00 mm span, 4.90 X 3.90 X 1.44 mm body <p>8-pin SOIC package with 1.27 mm pitch, 6.00 mm span with body size 4.90 X 3.90 X 1.44 mm</p> >NAME >VALUE IP5306
 >NAME >VALUE Small Outline Transistor 6 lead 8-SOIC, 1.27 mm pitch, 6.00 mm span, 4.90 X 3.90 X 1.44 mm body <p>8-pin SOIC package with 1.27 mm pitch, 6.00 mm span with body size 4.90 X 3.90 X 1.44 mm</p> IP5306
 >NAME >VALUE >NAME >VALUE >NAME >VALUE 2.1A Charging 2.4 A Discharge Highly Integrated Mobile Power Supply<p> Source: Datasheet >NAME >VALUE >LCPART EMIFIL (R) Chip Ferrite Bead for GHz Noise<p> Source: http://www.murata.com/ Ferrite Bead BLM15H.pdf >NAME >VALUE EMIFIL (R) Chip Ferrite Bead for GHz Noise<p> Source: http://www.murata.com/ Ferrite Bead BLM15H.pdf >NAME >VALUE EMIFIL (R) Chip Ferrite Bead for GHz Noise<p> Source: http://www.murata.com/ Ferrite Bead BLM15H.pdf EMIFIL (R) Chip Ferrite Bead for GHz Noise<p> Source: http://www.murata.com/ Ferrite Bead BLM15H.pdf >NAME >VALUE Solder jumper >NAME >VALUE Solder jumper >NAME >VALUE Chip RESISTOR 0402 EIA (1005 Metric) >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> >NAME >VALUE RESISTOR wave soldering<p> >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> wave soldering >NAME >VALUE RESISTOR >NAME >VALUE RESISTOR<p> wave soldering >NAME >VALUE RESISTOR<p> Source: http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/dcrcwfre.pdf >NAME >VALUE RESISTOR wave soldering<p> Source: http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/dcrcwfre.pdf >NAME >VALUE RESISTOR<p> MELF 0.10 W >NAME >VALUE RESISTOR<p> MELF 0.25 W >NAME >VALUE RESISTOR<p> MELF 0.12 W >NAME >VALUE RESISTOR<p> MELF 0.10 W >NAME >VALUE RESISTOR<p> MELF 0.25 W >NAME >VALUE RESISTOR<p> MELF 0.25 W >NAME >VALUE RESISTOR<p> MELF 0.12 W >NAME >VALUE RESISTOR<p> MELF 0.25 W >NAME >VALUE RESISTOR<p> type 0204, grid 5 mm >NAME >VALUE

RESISTOR type 0204, grid 7.5 mm >NAME >VALUE RESISTOR type 0207, grid 10 mm >NAME >VALUE RESISTOR type 0207, grid 12 mm >NAME >VALUE RESISTOR type 0207, grid 15mm >NAME >VALUE RESISTOR type 0207, grid 2.5 mm >NAME >VALUE RESISTOR type 0207, grid 5 mm >NAME >VALUE RESISTOR type 0207, grid 7.5 mm >NAME >VALUE RESISTOR type 0309, grid 10mm >NAME >VALUE RESISTOR type 0309, grid 12.5 mm >NAME >VALUE RESISTOR type 0411, grid 12.5 mm >NAME >VALUE RESISTOR type 0411, grid 15 mm >NAME >VALUE RESISTOR type 0411, grid 3.81 mm >NAME >VALUE RESISTOR type 0414, grid 15 mm >NAME >VALUE RESISTOR type 0414, grid 5 mm >NAME >VALUE RESISTOR type 0617, grid 17.5 mm >NAME >VALUE RESISTOR type 0617, grid 22.5 mm >NAME >VALUE RESISTOR type 0617, grid 5 mm >NAME >VALUE RESISTOR type 0922, grid 22.5 mm >NAME >VALUE RESISTOR type 0613, grid 5 mm >NAME >VALUE RESISTOR type 0613, grid 15 mm >NAME >VALUE RESISTOR type 0817, grid 22.5 mm >NAME >VALUE 0817 RESISTOR type 0817, grid 6.35 mm >NAME >VALUE 0817 RESISTOR type V234, grid 12.5 mm >NAME >VALUE RESISTOR type V235, grid 17.78 mm >NAME >VALUE RESISTOR type V526-0, grid 2.5 mm >NAME >VALUE Mini MELF 0102 Axial >NAME >VALUE RESISTOR type 0922, grid 7.5 mm >NAME >VALUE 0922 CECC Size RC2211 Reflow Soldering source Beyschlag >NAME >VALUE CECC Size RC2211 Wave Soldering source Beyschlag >NAME >VALUE CECC Size RC3715 Reflow Soldering source Beyschlag >NAME >VALUE CECC Size RC3715 Wave Soldering source Beyschlag >NAME >VALUE CECC Size RC6123 Reflow Soldering source Beyschlag >NAME >VALUE CECC Size RC6123 Wave Soldering source Beyschlag >NAME >VALUE RESISTOR type RDH, grid 15 mm >NAME >VALUE RDH RESISTOR type 0204, grid 2.5 mm >NAME >VALUE RESISTOR type 0309, grid 2.5 mm >NAME >VALUE RESISTOR chip Source: http://www.vishay.com/docs/20008/dcrcw.pdf >NAME >VALUE Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RNC55
 Source: VISHAY .. vta56.pdf >NAME >VALUE Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RNC60
 Source: VISHAY .. vta56.pdf >NAME >VALUE Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR52
 Source: VISHAY .. vta56.pdf >NAME >VALUE Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR53
 Source: VISHAY .. vta56.pdf >NAME >VALUE Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR54
 Source: VISHAY .. vta56.pdf >NAME >VALUE Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR55
 Source: VISHAY .. vta56.pdf >NAME >VALUE Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR56
 Source: VISHAY .. vta56.pdf >NAME >VALUE Package 4527 Source: http://www.vishay.com/docs/31059/wsrhigh.pdf >NAME >VALUE Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf >NAME >VALUE Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf >NAME >VALUE Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf >NAME >VALUE Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf >NAME >VALUE Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf >NAME >VALUE Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf >NAME >VALUE CRCW1218 Thick Film, Rectangular Chip Resistors Source: http://www.vishay.com .. dcrcw.pdf >NAME >VALUE Chip Monolithic Ceramic Capacitors Medium Voltage High Capacitance for General Use Source: http://www.murata.com .. GRM43DR72E224KW01.pdf >NAME >VALUE >NAME >VALUE CAPACITOR chip >NAME >VALUE >NAME >VALUE >LCPART >NAME >VALUE >NAME >VALUE >NAME >VALUE CTZ3 Series land pattern for variable capacitor - CTZ3E-50C-W1-PF >NAME >VALUE This is the "EZ" version of the .1" spaced ceramic thru-hole cap.
 It has reduced top mask to make it harder to put the component on the wrong side of the board. >Name >Value <h3>CAP-PTH-SMALL-KIT</h3> Commonly used for small ceramic capacitors. Like our 0.1uF (http://www.sparkfun.com/products/8375) or 22pF caps (http://www.sparkfun.com/products/8571).

 Warning: This is the KIT version of this package. This package has a smaller diameter top stop mask, which doesn't cover the diameter of the pad. This means only the bottom side of the pads' copper will be exposed. You'll only be able to solder to the bottom side. >Name >Value >Name >Value >Name >Value >Name >Value >NAME >VALUE >Name >Value >NAME >VALUE PIN HEADER >NAME >VALUE Solder jumper Solder jumper Chip RESISTOR 0402 EIA (1005 Metric) RESISTOR RESISTOR RESISTOR wave soldering RESISTOR RESISTOR wave soldering RESISTOR RESISTOR wave soldering RESISTOR RESISTOR wave soldering RESISTOR RESISTOR wave soldering RESISTOR RESISTOR wave soldering RESISTOR RESISTOR wave soldering RESISTOR RESISTOR wave soldering RESISTOR Source: http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/dcrcwfre.pdf RESISTOR wave soldering Source: http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/dcrcwfre.pdf RESISTOR MELF 0.10 W RESISTOR MELF 0.25 W RESISTOR MELF 0.12 W RESISTOR MELF 0.10 W RESISTOR MELF 0.25 W RESISTOR MELF 0.25 W RESISTOR MELF 0.12 W RESISTOR MELF 0.25 W RESISTOR type 0204, grid 5 mm RESISTOR type 0204, grid 7.5 mm RESISTOR type 0207, grid 10 mm RESISTOR type 0207, grid 12 mm RESISTOR type 0207, grid 15mm RESISTOR type 0207, grid 2.5 mm RESISTOR type 0207, grid 5 mm RESISTOR type 0207, grid 7.5 mm RESISTOR type 0309, grid 10mm RESISTOR type 0309, grid 12.5 mm RESISTOR type 0411, grid 12.5 mm RESISTOR type 0411, grid 15 mm RESISTOR type 0411, grid 3.81 mm RESISTOR type 0414, grid 15 mm RESISTOR type 0414, grid 5 mm RESISTOR type 0617, grid 17.5 mm RESISTOR type 0617, grid 22.5 mm RESISTOR type 0617, grid 5 mm RESISTOR type 0922, grid 22.5 mm RESISTOR type 0613, grid 5 mm RESISTOR type 0613, grid 15 mm RESISTOR type 0817, grid 22.5 mm RESISTOR type 0817, grid 6.35 mm RESISTOR type V234, grid 12.5 mm RESISTOR type V235, grid 17.78 mm RESISTOR type V526-0, grid 2.5 mm Mini MELF 0102 Axial RESISTOR type 0922, grid 7.5 mm CECC Size RC2211 Reflow Soldering source Beyschlag CECC Size RC2211 Wave Soldering source Beyschlag CECC Size RC3715 Reflow Soldering source Beyschlag CECC Size RC3715 Wave Soldering source Beyschlag CECC Size RC6123 Reflow Soldering source Beyschlag CECC Size RC6123 Wave Soldering source Beyschlag RESISTOR type RDH, grid 15 mm RESISTOR type 0204, grid 2.5 mm RESISTOR type 0309, grid 2.5 mm RESISTOR chip Source: http://www.vishay.com/docs/20008/dcrcw.pdf Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RNC55 Source: VISHAY .. vta56.pdf Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RNC60 Source: VISHAY .. vta56.pdf Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR52 Source: VISHAY .. vta56.pdf Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR53 Source: VISHAY .. vta56.pdf Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR54 Source: VISHAY .. vta56.pdf Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR55 Source: VISHAY .. vta56.pdf Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements MIL SIZE RBR56 Source: VISHAY .. vta56.pdf Package 4527 Source: http://www.vishay.com/docs/31059/wsrhigh.pdf Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf Wirewound Resistors, Precision Power Source: VISHAY wscwsn.pdf CRCW1218 Thick Film, Rectangular Chip Resistors Source: http://www.vishay.com .. dcrcw.pdf Chip Monolithic Ceramic Capacitors Medium Voltage High Capacitance for General Use Source: http://www.murata.com .. GRM43DR72E224KW01.pdf Chip, 0.40 X 0.20 X 0.16 mm body Chip package with body size 0.40 X 0.20 X 0.16 mm CAPACITOR chip CTZ3 Series land pattern for variable capacitor - CTZ3E-50C-W1-PF This is the "EZ" version of the .1" spaced ceramic thru-hole cap. It has reduced top mask to make it harder to put the component on the wrong side of the board. CAP-PTH-SMALL-KIT Commonly used for small ceramic capacitors. Like our 0.1uF (http://www.sparkfun.com/products/8375) or 22pF caps (http://www.sparkfun.com/products/8571). Warning: This is the KIT version of this

package. This package has a smaller diameter top stop mask, which doesn't cover the diameter of the pad. This means only the bottom side of the pads' copper will be exposed. You'll only be able to solder to the bottom side. PIN HEADER >NAME >VALUE >NAME >VALUE >LCPART >NAME >VALUE >LCPART >VALUE KM >NAME >VALUE <B>RESISTOR</B>, American symbol Capacitor Standard 0603 ceramic capacitor, and 0.1" leaded capacitor. SUPPLY SYMBOL PIN HEADER <B>Dual In Line</B> 0.3 inch >NAME >VALUE <B>Thin Plasic Quad Flat Package</B> Grid 0.8 mm >NAME >VALUE SMD DIL28 dual in line package, body 6.35 mm >NAME >VALUE 1 SMD DIL28 dual in line package, body 6.35 mm >NAME >VALUE 1 PINS REVERSED TO MATE WITH DIP28 ON BOTTOM <B>Dual In Line</B> 0.3 inch <B>Thin Plasic Quad Flat Package</B> Grid 0.8 mm SMD DIL28 dual in line package, body 6.35 mm SMD DIL28 dual in line package, body 6.35 mm >VALUE >NAME MICROCONTROLLER 4 Kbytes FLASH 128 bytes SRAM 256 bytes EEPROM UART 6-channel 10 bit ADC >NAME >VALUE <h3>3.2 x 2.5mm SMD Crystal Package</h3> Example: SX-32S >Name >Value <h3>HC49/U 11.6x4.6mm PTH Crystal (13.46mm height)</h3> Example Datasheet >NAME >VALUE <h3>3x8mm Cylindrical Can (Radial) PTH Crystal</h3> This is the "KIT" version, which has limited top masking for improved ease of assembly. Example product: 32kHz crystal Example datasheet (ECS-3X8) >NAME >VALUE <h3>2x6mm Cylindrical Can (Radial) PTH Crystal</h3> Example product: 32kHz crystal Example datasheet (ECS-2X6) >NAME >VALUE <h3>HC-49/UP 11.4x4.8mm SMD Crystal</h3> Example Datasheet >NAME >VALUE <h3>HC49/US 11.6x4.6mm PTH Crystal</h3> Example Datasheet >NAME >VALUE <h3>6.0x2.0mm Cylindrical Can (Radial) SMD Crystal</h3> Example >Name >Value <h3>5x3.2mm SMD Crystal</h3> Example: 16MHz SMD Crystal (Datasheet) >NAME >VALUE <h3>7x1.5mm MC-146 Flat Lead SMD Crystal</h3> Example Datasheet >Name >Value <h3>2x6mm Cylindrical Can (Radial) PTH Crystal</h3> This is the "KIT" version, which has limited top masking for improved ease of assembly. Example product: 32kHz crystal Example datasheet (ECS-2X6) >NAME >VALUE <h3>5x3.2mm 2-pad SMD Crystal</h3> Example Datasheet >NAME >VALUE <h3>3.2 x 1.5mm SMD Crystal Package</h3> Example: SX-32S >Name >Value 3.2 x 2.5mm SMD Crystal Package Example: SX-32S HC49/U 11.6x4.6mm PTH Crystal (13.46mm height) Example Datasheet 3x8mm Cylindrical Can (Radial) PTH Crystal This is the "KIT" version, which has limited top masking for improved ease of assembly. Example product: 32kHz crystal Example datasheet (ECS-3X8) 2x6mm Cylindrical Can (Radial) PTH Crystal Example product: 32kHz crystal Example datasheet (ECS-2X6) HC-49/UP 11.4x4.8mm SMD Crystal Example Datasheet HC49/US 11.6x4.6mm PTH Crystal Example Datasheet 6.0x2.0mm Cylindrical Can (Radial) SMD Crystal Example 5x3.2mm SMD Crystal Example: 16MHz SMD Crystal (Datasheet) 7x1.5mm MC-146 Flat Lead SMD Crystal Example Datasheet 2x6mm Cylindrical Can (Radial) PTH Crystal This is the "KIT" version, which has limited top masking for improved ease of assembly. Example product: 32kHz crystal Example datasheet (ECS-2X6) 5x3.2mm 2-pad SMD Crystal Example Datasheet 3.2 x 1.5mm SMD Crystal Package Example: SX-32S <h3>Crystal (no ground pin)</h3> >NAME >VALUE 1 2 <h3>Crystals (Generic)</h3> These are passive quartz crystals, which can be used as a clock source for a microcontroller. Crystal's are two-terminal devices. They require external "load" capacitors to generate an oscillating signal. 0 1 2 3 4 5 6 7 10 11 12 13 5.1K GIVES 5V3A 25% 50% 75% 100% Since Version 6.2.2 text objects can contain more than one line, which will not be processed correctly with this version. Since Version 8.2, EAGLE supports online libraries. The ids of those online libraries will not be understood (or retained) with this version. Since Version 8.3, EAGLE supports URNs for individual library assets (packages, symbols, and devices). The URNs of those assets will not be understood (or retained) with this version. Since Version 8.3, EAGLE supports the association of 3D packages with devices in libraries, schematics, and board files. Those 3D packages will not be understood (or retained) with this version. Since Version 9.5, EAGLE supports persistent groups with schematics, and board files. Those persistent groups will not be understood (or retained) with this version. Since Version 8.4, EAGLE supports properties for SPICE simulation. Probes in schematics and SPICE mapping objects found in parts and library devices will not be understood with this version. Update EAGLE to the latest version for full support of SPICE simulation.