

Code	Item description	Specification	Material	Reference drawing	Qty / Unit	Prototyping Supplier
001	Oil Drum / Barrel	Standard 55 US gallon (208 liter) drum / barrel [machine work: 4x Ø12 holes + rectangular cut at bottom of drum. Cut-out for door. 4-8 Ø12 holes + Ø100 hole on top of drum]	Steel/ Powder Coated	Drum Complete.sldasm	1	
002	Oil Drum Door	Included in Oil Drum Assembly	Steel/ Powder Coated	Drum Door Small.sldasm	1	
003	Skeleton Structure, Lower part [TUBE, LOWER].	Square, Hollow Steel Profile, 75x75mm, L=1200mm, t=2mm. [machined work: 6x Ø12 holes and 2 bigger cut-outs are to be machined on item. 2x M10 nuts are to be welded onto two of the holes.] ITEM 002 IS TO BE WELDED ONTO CENTER OF ITEM 004	Carbon Steel Hot Formed/ Powder Coated	75x75 Skeleton Beam w Stand _DETAILED.sldprt	1	http://www.roytech.co.uk/Useful_Tables/Sections/SHS_hf.html
004	Skeleton Structure, [STEEL PLATE]	Steel Plate , 40x40cm , t=6mm. [machined work: 12x Ø12 holes to be drilled through plate, 4x M10 bolts to be welded onto plate]	Carbon Steel Hot Rolled/ Powder Coated	6mm bottom steel plate.sldrw	1	
005	Skeleton Structure, Upper part [TUBE, UPPER]	Square, Hollow Steel Profile, 65x65mm (60x60mm), L=1700mm, t=2mm. [machined work: 6x Ø6 holes and 3x Ø40 holes are to be drilled on this item]	Carbon Steel Hot Formed/ Powder Coated	60x60 Upper Square Beam.sldprt	1	http://www.roytech.co.uk/Useful_Tables/Sections/SHS_hf.html
006	Locking Pin	Ø10mm x 150mm	Stainless Steel	Drum Locking beam.sldrw	1	
007	Table plate	Circular table plate, Diameter; min=1150mm, max=1200mm, Thickness; min=20mm, max=70mm Weight; less than 15kg. MUST BE HIGHLY RESISTANT TOWARDS: water, termites, fire/heat, scratches, SURFACE needs to be very easy to clean/wipe, COLOR: a number of colors should be available, GENERAL RUGGEDNESS: a mass of 90kg should be able to stand anywhere on the table (when the table is fixed to the drum) without damage to the table	Melamine and Resin	Table Unit _ MDF.sldrw	1	http://werzalit.com/de/tischplatten.html
008	Hinges	metal hinge, door-type, (approx size of each «wing»: 40x100mm) fitted with at least 4 holes (hole size = Ø3-Ø5mm) for screws/rivets, for drum door	Stainless Steel	See Specification	2	http://www.amazon.com/Bolton-Radius-Steel-Nickel-Finish/dp/B000K29MGI/ref=sr_1_16?ie=UTF8&qid=1396969788&sr=8-16&keywords=door+hinge
009	USB 3 Port Hub w/ Audio	USB hub with at least 2 USB-ports + audio-output(mini-jack type) SIZE: Ø60 circular, DESIGN: for flash mounting into a plate/wall/table	N/A	See Specification	3	http://www.voelkner.de/products/270817/3-Port-USB-2.0-Hub-Einbauhub-60mm-Audio.html
010	Washer, M10	M10x 23mmX4.5 thick Extra thick washer	18-8 Stainless	See Specification	20	http://www.boltdepot.com/Washers.aspx?nv=1
011	Wood Screws	Flat Head Phillips Self tapping L=15mm D=3-4mm	18-8 Stainless	See Specification	60	http://www.amazon.com/Self-Tapping-Screws-Phillips-Stainless-Carton/dp/B00122MLOK
012	Bolt	M10x100 Hex-Bolt / Machine Screw, stainless steel,	304 Stainless	See Specification	8	http://www.boltdepot.com/Metric_hex_bolts_Stainless_steel_18-8_10mm_x_1.5mm.aspx
013	Bolt	M10x30 Hex-Bolt / Machine Screw, stainless steel,	305 Stainless	See Specification	6	http://www.nutsandbolts.com/bolts-metric-hex-boltscap-screw-88-coarse-c-31_162.html?page=1&sort=20a
014	Bolt	M10x40 Hex-Bolt / Machine Screw, stainless steel,	306 Stainless	See Specification	6	http://www.nutsandbolts.com/bolts-metric-hex-boltscap-screw-88-coarse-c-31_162.html?page=1&sort=20a
015	Bolt	M5x20 Hex-Bolt / Machine Screw, stainless steel,	307 Stainless	See Specification	24	https://www.boltdepot.com/Metric_tap_bolts_Stainless_steel_18-8_5mm_x_0.8mm.aspx
016	Nut	M10 Hex-Nut, stainless steel,	308 Stainless	See Specification	20	http://www.boltdepot.com/Metric_hex_nuts_Stainless_steel_18-8.aspx
017	Nut,	M5 Hex-Nut, stainless steel,	309 Stainless	See Specification	4	http://www.boltdepot.com/Hex_nuts_Stainless_steel_18-8.aspx
018	Anti-theft screws [public screen + Odroids]	Cotytech Screws	Stainless Steel	DIN 912 M4x30.sldprt	10	http://www.cotytech.com/content-product_info/product_id-1947/anti_theft_screws_for_cotytech_monitor_mounts.html
019	Steel profiles, angled, wall mount/support _LOWER	Steel Profile, 80x80mm [bend to 80 degree angle, t=3mm, 3x Ø4 + 2x Ø10 holes in each]	Stainless Steel	Angled Steel Bar _ wall support.sldprt	6	Fabricator
020	Monitor Clamp	Steel Profile, flat 40x450mm , t=1.5mm [2x Ø4 holes for wood screws]	Stainless Steel	Monitor clamp t=1.5.sldprt	3	Fabricator
021	Speaker Clamp	Steel Profile, t=1.5mm, 40x300mm [4x 90degree bends, 2x Ø4 holes for wood screws]	Stainless Steel	60X70 loudspeaker clamp.sldprt	4	Fabricator

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022	Webcam Clamp	Steel profile, flat 40x100mm, t=1.5mm [2x Ø4 holes for wood screws]	Stainless Steel	webcam_clamp t=1.5.sldprt	3	Fabricator
023	Steel bar [public speaker mount]	Steel Profile, 40x400mm [2x 90degree bends, t=1.5mm, 2x Ø4 holes for wood screws]	Stainless Steel		1	Fabricator
024	Dividing Wall	Plywood plate (MDF might also be an option) 100x90cm, t=16-20mm [machine works: cuts on bot sides, rectangular cut-out, 1x Ø60 hole, 1x Ø40 hole, 1x Ø20 hole]	Foamed PVC	Wall_Mount_Protection Tilted.slddrw	3	http://www.sdplastics.com/komatex.html
025	Screen Protection, workstation	SCRATCHPROOF Plexiglas plate, 450x300mm, t=4-5mm	Polycarbonate	PlexiCover_Flat_Gechic16.slddrw	3	http://www.plexiglas-shop.com/DE/en/sheet/plexiglas-resist-ig6052gfo0r.html
026	Screen Protection, public screen	Plexiglas plate, t=3-5mm, 436x305mm	Polycarbonate	Public Screen Elliptic Cover.sldprt	1	http://www.plexiglas-shop.com/DE/en/sheet/plexiglas-resist-ig6052gfo0r.html
027	Flexible Mount, Public Screen		Steel/Powder coated	See Specification	1	http://monmount.com/tv-wall-mounts/lcd-1700/
028	Padlock	Rugged steel padlock, diameter of U: min = 4mm, max = 6mm	Stainless Steel	See Specification	3	http://www.walmart.com/ip/Master-Lock-141T-2-Count-1-9-16-in-Brass-Weatherproof-Padlock/19870177?ci_src=14110944&ci_sku=19870177&sourceid=15000000000003260430
029	Padlock Mount	mount/bracket for using padlock on drum-door	Stainless Steel	See Specification	2	http://www.amazon.com/Amico-Garage-Silver-Stainless-Padlock/dp/B008ATEV4E/ref=sr_1_10?ie=UTF8&qid=1396970143&sr=8-10&keywords=padlock+mount
030	Webcam	USB, 1 Megapixel. Integrated microphone input via USB (compatible with Linux OS)	N/A	See Specification	3	http://www.amazon.com/TeckNet%C2%AE-C016-Webcam-MegaPixel-Microphone/dp/B000Q3VECE/ref=sr_1_14?s=electronics&ie=UTF8&qid=1396727223&sr=1-14&keywords=webcam+microphone
031	Loudspeaker, workstation	Small PC speakers, max 2W power consumption per set, phono/minijack connection, USB-powered	N/A	See Specification	2	http://www.amazon.com/dp/B00H4W122E/ref=pe_385040_30332200_pe_309540_26725410_item
032	Loudspeaker, public screen	Mid-size mono speaker, Max 5W power consumption, phono/minijack connection, NO battery	N/A	See Specification	1	http://www.logitechshop.com.au/logitech-multimedia-speaker-z50-free-delivery.html
033	O-Droid X2	Micro PC board. See specs in product link.	N/A	See Specification	3	http://hardkernel.com/main/products/prdt_info.php?g_code=G135235611947
034	SD Storage Card (Server)	32GB SDHC Class 10	N/A	See Specification	1	http://www.amazon.com/dp/B003VKNK00/ref=cm_sw_su_dp
035	Workstation display monitors	15.6" [max power consumption = 8W, USB power input preferred, HDMI input (male), 1080p support	N/A	See Specification	3	http://www.multicom.no/ON-LAP-portabel-156-monitore-silver-GeChic/cat-p/c/p5430995
036	Public display monitor	19" [max power consumption = 15W, HDMI input (female), 1080p support	N/A	See Specification	1	http://www.misco.co.uk/Product/208428/Cello-C22115F-22inch-LED-TV-with-built-in-DVD-Player
037	MicroHDMI > HDMI converter cable (M/F)	Micro-size Type D to Full-size HDMI Type A (M/F) - Length: 6ft	N/A	See Specification	2	http://www.amazon.com/dp/B00EHKKZ9A/ref=cm_sw_su_dp
038	Keyboards	Standard 101-key+ USB keyboard	N/A	See Specification	3	http://www.amazon.com/Audiovox-IPH510-Compact-keyboard-Black/dp/B003KVZGE6/ref=sr_1_63?s=pc&ie=UTF8&qid=1396509661&sr=1-63
039	Mice	2-button USB laser/optical mouse with scroll wheel	N/A	See Specification	3	http://www.amazon.com/AmazonBasics-3-Button-Wired-Mouse-Black/dp/B005EJH6RW/ref=sr_1_8?s=pc&ie=UTF8&qid=1396509853&sr=1-8
040	HDMI 1x2 Splitter	1 input 2 output (F/F/F) powered HDMI splitter. For split-screen public monitor solution (GeChic + Public HDMI Monitor)	N/A	See Specification	1	http://www.amazon.com/Splitter-Amplifier-Display-enable-certificated/dp/B007K1KWTQ/ref=sr_1_6?s=electronics&ie=UTF8&qid=1397116468&sr=1-6&keywords=hDMI+splitter+1+in+2+out+1080p
041	SD Storage Card (Workstations)	8GB SDHC Class 10	N/A	See Specification	2	http://www.amazon.com/dp/B002WE6D44/ref=cm_sw_su_dp
042	Network switch	Minimum 3x 100Mbps Ethernet ports (Max Power Consumption 2.5W)	N/A	See Specification	1	http://www.amazon.com/TRENDnet-Unmanaged-GREENnet-Ethernet-TE100-S5/dp/B000M2TAN4/ref=sr_1_7?s=electronics&ie=UTF8&qid=1396953454&sr=1-7&keywords=ethernet+switch
043	MicroHDMI > HDMI converter cable (M/M)	Micro-size Type D to Full-size HDMI Type A (M/M) - Length: 1ft. For split-screen public monitor solution (GeChic + Public HDMI Monitor)	N/A	See Specification	1	http://www.amazon.com/Bargain-Cable-FEEL-Micro-Insighia/dp/B0013CNN46/ref=sr_1_89?s=electronics&ie=UTF8&qid=1397117572&sr=1-89&keywords=hDMI+cable+micro
044	Network cables	Shielded CAT5 or CAT6 with RJ45 termination (straight configuration) - Length: 1 foot	N/A	See Specification	3	http://amzn.com/B004U29D8E
045	HDMI cable (2m) (M/M)	Full-size HDMI (M/M) - Length: 1.8 meters. For split-screen public monitor solution (GeChic + Public HDMI Monitor)	N/A	See Specification	1	http://www.amazon.com/AmazonBasics-High-Speed-HDMI-Cable-Meters/dp/B003L1ZYVM/ref=sr_1_1?s=electronics&ie=UTF8&qid=1397118222&sr=1-1&keywords=hDMI+cable+6+ft
046	Top Cap	Top cape to hold walls and table locked in place 5mm	Carbon Steel Hot Rolled/ Powder Coated	Top Lid _ metal.sldprt	1	
047	solar panel	120Wp , Voc 19-22V, Vmpp 16-18V	N/A		2	
048	solar charge controller	12V, 20A, with Datalogging connector to PC USB input	N/A		1	http://www.phocos.com/datasheet_sm_cx.html

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049	copper bus bar terminal	with 6-8 screw terminals	Copper		2	http://www.ebay.com/itm/Din-Rail-7-Way-Terminal-Mains-230-400V-Busbar-Earth-Neutral-used-with-MCB-RCD-/331299450786?pt=UK_BOI_Electrical_Components_Supplies_ET&var=&hash=item4d22fc6fa2
050	single wire	10mm, flexible, red	PVC/ Copper		1	
051	single wire	10mm, flexible, black	PVC/ Copper		1	
052	single wire	2,5mm, flexible, red	PVC/ Copper		3	
053	single wire	2,5mm, flexible, black	PVC/ Copper		3	
054	cable	2x10mm , flexible, UV resistant	PVC/ Copper		12	
055	battery	solar battery (deep cycle), Gel or AGM, 12V / 100Ah	N/A		1	
056	wire connector	connector strip, size for 2x10mm wire	Copper		1	http://www.ebay.com/itm/10-lock-12-pin-terminal-block-4-5-mm-5A-luster-terminals-black-strips-/321455602412?pt=AU_B_I_Electrical_Test_Equipment&hash=item4ad83f3aec
057	cable ties	nylon, 100mm	Nylon		40	
058	cable ties	nylon, 300mm	Nylon		20	
059	Electronics Mounting board	plywood 15mm, 40x30cm	Plywood/ Foamed PVC		1	
060	woodscrews	15mm	304 Stainless		20	
061	DIN Rail	omega rail, for mounting of circuit breaker	Steel		0,2	http://www.ebay.com/itm/5-Piece-0-5-Meter-Aluminum-U-Groove-Slotted-DIN-Rail-For-C45-Switch-Meter-/281108032398?pt=LH_DefaultDomain_0&hash=item4173582b8e
062	PV long leg mount	angle bar, 40x40mm, long leg	Carbon Steel	See Digital Drum 2.0 Rev 0.1 _ Solar panel mounting.pdf re. PV mounting	4	
063	PV Short Leg mounts	angle bar, 40x40mm	Carbon Steel		4	
064	PV mount Bolt	square section bolt M8x 50mm	Zinc Plated Steel		8	
065	PV mount Sub Frame	angle bar, 40x40mm	Zinc Plated Steel		1	
066	PV mount Threaded Rod	M8 x 25cm.	Zinc Plated Steel		8	
067	Nut	Nut M8	Zinc Plated Steel		16	
068	Washer	washer M8	Zinc Plated Steel		16	
069	rubber grommet [hole-liner]	to reduce stress on cables going through walls [mouse + keyboard], size: should cover a Ø2,5cm hole	Buna-N		3	http://www.amazon.com/Rig-Rite-Manufacturing-610-Rigging/dp/B002IV6ORW/ref=pd_bxgy_auto_text_y#productDetails
070	audio splitter, phono-minijack	to facilitate speakers PLUS headset use	N/A		3	http://www.amazon.com/gp/product/B00009WQSR/ref=oh_details_o01_s00_i01?ie=UTF8&psc=1
071	Metal Edge Rubber Liner [to avoid sharp metal edges on drum-door and also to seal door]	L=10ft/2,5m, must fit metal plate thickness t=1,5mm			1	http://www.mcmaster.com/#8451a91/-/rh4g3j
072	Power switch	turn switch, industrial standard size 22.5mm, 1 no contact	N/A		1	http://www.voelkner.de/products/310664/Drehschalter-250-V-AC-5-A-Schaltpositionen-2-1-x-90-LA50-A3Y-11X-23-IP40-1-St..html
073	Bolt, Carriage type,	Stainless steel 18-8, #10 (3/16)-24 x 1"	304 Stainless Steel		4	http://www.boltdepot.com/Product-Details.aspx?product=12206
074	DC-DC Converter	10-60V to 5V conversion, 100W	N/A		1	http://www.mini-box.com/DCDC-USB_incl_housing : http://www.mini-box.com/DCDC-USB-ENCLOSURE?sc=8&category=981
075	Charge controller Data Logger cable	PL2303HX USB To TTL To UART RS232 COM Cable Module Converter	N/A		1	