	f Material	-	Greenfield Tech Solutions Molendreef 33		3	
	Project Number:		4641CS Ossendrecht		one	$\stackrel{\times}{\sim}$
	Project Revision: Project File Name:	: 0.1 : BAS_Tower1.PrjPcb	The Netherlands info@greenfieldtechsolutions.com		***************************************	
	Assembly Variant:	None				_
	Report Date:	22/04/04				
Number GTS		Description	Manufacture Part Number	Footprint	Layer	F
CA0001 CA0002	C13, C14, C15, C16 C6, C7, C237, C243	10μF 16V 10% XSR 4.7μF 16V 10% XSR	GRM21BR61C106KE1SL C1608KSR1C475K0B0AC	C0805 C0603	Top Top	t
	C107, C204, C205, C206, C207, C208,					ı
CA0003	C209, C210, C211,	1µF 16V 10% X5R				ı
CAUUUS	C213, C214, C215, C216, C217, C218,	IJE 16V 10% ASK	C1608KSR1C105K080AA	C0603	Top, Bottom	ı
	C219, C220, C221,					ı
	C238, C244 C18, C19, C20, C21,					t
CA0005	C22, C23, C25, C26, C27, C28, C29, C30	10 _H F 35V 10% XSR	C2012XSR1V106K12SAC	C0805	Тор	ı
	C103, C104, C105,					t
CA0007	C201, C202, C203, C212	47µF 16V 20% X5R	EMK325ABJ476MM8P	C1210	Top, Bottom	ı
CA0008 CA0009	C101, C102, C106 C239, C245	10μF 16V 20% X5R 2.2μF 35V 10% X5R	GRM188R61C106MAALD	C0603 C0603	Тор	F
CA0010	C110, C111, C246	2.2µr 35V 10% X5K 100nF 16V 10% X7R	C1608XSR1V225K080AC GCM155R71C104KA55D	00402	Top Top, Bottom	t
CA0016 CA0024	C232, C233 C4, C37	4pF 50V 0.25pF C0H	UMK105CH040CVHF GRM32ER71J106KA12	C0402 C1210	Top Top	F
CA0024	C1, C2, C3, C5, C235,	10μF 63V 10% X7R 1μF 100V 15% X7R	GRM32FR72A105KA01	C1210	Тор	t
	C241 C234, C236, C240,					╀
CA0028	C242	100nF 100V 15% X7R	GRM32NR72A104KA01	C1210	Тор	L
	C9, C10, C24, C31, C222, C223, C224,				l	
CA0029	C225, C226, C227,	100nF 50V 10% X7R	CGA283X7R1H104K050BB	C0402	Тор	
CA0030	C229, C231 C33	1.2nF 50V 10% X7R	GOM155R71H122KA37D	00402	Тор	H
CA0031	C17, C32	1nF 50V 1% COG	GRT1555C1H102FA02D	00402	Тор	F
CA0032	C108, C109, C228, C230	180nF 10V 10% X5R	GRM155R61A184KE19D	00402	Тор	L
CA0034	C36 C11, C12, C38, C39,	680μF 50V 20%	UPW1H681MHD6	RL_16_7.5_20	Тор	F
CA0035	C42	22µF 10V 20% X5R	0805ZD226MAT2A	C0805	Тор	L
CA0037 CA0038	C8 C41	10pF 50V 5% COG 4.7µF 100V 10% X5R	C00402JRNPO9BN100 HMK325BJ475KM-PE	C0402 C1210	Top Top	F
CA0039	C40	10µF 63V 10% X7R	CL32B106KMVNNWE	C1210	Top	t
CA0040	C35 C34	3.3nF 50V 10% X7R 47pF 50V 5% COG	C00603KRX7R9BB332	C0603	Top Top	╀
CO0007	CO103	HDMI	10029449	HDMI	Тор	t
CO0012	J101, J102, J103, J104	Header 1x2P	G800W306018EU	1X2P_2.54mm	Тор	ı
CO0017	COG1	USB C connector Plug	USB4151-GF-C	USB4151-GF-C	Bottom	t
CO0021 CO0025	CO301, CO302 CO1, CO102	USB C connector	USB4070-30-C USB4500-03-1-A	USB4070-30-C USB4500-03-1-A	Top Top	╁
CO0027	CO101	μSD-Card holder	693071030811	6.93071E+11	Top	Ε
CR0002	X201 D101, D102, D104,	24MHz 4pF 20PPM	403WF24012IM	403W	Тор	╁
DI0001	D105, D106, D201,	Led Green	KP-2012CGCK	Led0805	Тор	ı
D10002	D202, D203, D204 D1, D3, D103, D301,	USB 2 TVS Diode	TPD2EUSB30DRTR	501-3	Top, Bottom	t
D10002	D302 D2, D4, D303, D304	USB 3 TVS Diode	PUSB3FA2Z	SOT-1176-1	Top, Bottom	╄
IC0009	IC102	Buffer IC	SN74LVC1G07DBVT	SOT-23-5	Top	t
IC0011 IC0028	IC103 IC202, IC203	RT9742SNGV USB Type-C Power Delivery Controller	RT9742SNGV BD93W21F-E2	SOT-23 SOP-16	Top Top	╀
IC0029	IC101	RT9742 High side power switch	RT9742GGJ5	SOT-23-5	Тор	t
IC0031 IC0032	IC2	3.8V TO 40V INPUT, 5A LOW IQ SYNCHRONOUS BUCK WITH USB-interface IC USB TYPE-C POWER DELIVERY	AP64501SP-13 BD93E11GWL	SO-8-EP UCSPSOL2C	Top Top	H
IC0034 IC0035	IC201 IC5	USB-interface IC PCI-e USB3.0 Host Ctrl 3rd Gen	UPD720201K8-701-BAC-A VXO7803-500	OFN-68 VXO7803	Top Top	F
IC0036	IC4	NON-ISOLATED DC SWITCHING REGULATOR Non-Isolated DC/DC Converters 3.3V 500MA	R-78E3.3-0.5	SIP-3	Top	t
IC0037 IC0038	IC3 IC204	DC-DC Switching Synchronous Buck Regulator, Adjustable, 3.8V- 8-Kbit serial SPI bus EEPROM with high-speed clock	AP64351QSP-13 M95080-WMN6TP	SO-8-EP SO-8	Top Bottom	╀
IN0005	L1, L2	3.3μH 5A 30% 21mΩ	SRN6045TA-3R3Y	SRN6045TA	Top	t
IN0015 IN0016	L3 L4	10μH 3.2A 30% 52mΩ 12μH 1.3A 20% 135mΩ	SRN6045TA-100M ASPI-4030S-120M-T	SRN6045TA ASPI-4030S	Top Top	╀
ME0001	H1, H2, H3, H4, H5	Mounting Hole M3		HOLE_M3	Top	t
ME0004 ME0006	Logo GTS1 Logo FxLand1	Logo GTS 1 Logo FxLand 2		Logo_GTS_1 Logo_FxLand_2	Bottom Top	H
ME0011				FidR_1.0mm		Т
	Fid1, Fid2, Fid5, Fid6	Fiducial Round 1mm			Top, Bottom	1
	_					⊦
ME0012	Fid3, Fid4, Fid7, Fid8	Fiducial Round Imm Fiducial Sqaure Imm		FidS_1.0mm	Top, Bottom Top, Bottom	L
ME0012	Fid3, Fid4, Fid7, Fid8 PP201, PP202, PP203, PP204,	Fiducial Sqaure 1mm		FidS_1.0mm	Top, Bottom	L
	Fid3, Fid4, Fid7, Fid8					
ME0012 ME0015 MO0011	Fid3, Fid4, Fid7, Fid8 PP201, PP202, PP203, PP204, PP205, PP206, PP207, PP208 MO107	Fiducial Square Imm Programmingpoint Outline of OM4	8H OM4	FidS_1.0mm PP_2MM RPICM4_Layout	Top, Bottom Bottom Top	
ME0012 ME0015	Fid3, Fid4, Fid7, Fid8 PP201, PP202, PP203, PP204, PP205, PP206, PP207, PP208 MO107 MO101 MO102	Fiducial Square 1mm Programmingpoint	89 CM4 DF40H23 0):10005-0.4V DF40H23 0):10005-0.4V	FidS_1.0mm PP_2MM	Top, Bottom Bottom	
ME0012 ME0015 MO0011 MO0012	Fid3, Fid4, Fid7, Fid8 PP201, PP202, PP203, PP204, PP205, PP206, PP207, PP208 MO107 MO101 MO102 MO103, MO104,	Fiducial Square 1mm Programmingpoint Outline of CM4 BSI CM4 Pin 1:00	DF40HO(3.0)-100DS-0.4V	FidS_1.0mm PP_2MM PP_2MM SPICM4_Layout CM4_001-100	Top, Bottom Bottom Top Top	
ME0012 ME0015 MO0011 MO0012 MO0013	Fid3, Fid4, Fid7, Fid6 PP201, PP202, PP203, PP204, PP205, PP206, PP207, PP208 MO107 MO101 MO102 MO103, MO104, MO105, MO106, RI00, RI03, RI03, RI03,	Fiducial Square Imm Programming-point Quilline of CMM BRY CMM PD 1:100 BPI CMM PD 101:200 RPI CMM Mounting Studs	DF40HC(3.0)-100DS-0.4V DF40HC(3.0)-100DS-0.4V 9774030151R	FldS_1.0mm PP_2MM RPICM4_Layout CM4_001-100 CM4_101-200	Top, Bottom Bottom Top Top Top	
ME0012 ME0015 MO0011 MO0012 MO0013	Fld3, Fld4, Fld7, Fld6 PP201, PP202, PP203, PP204, PP205, PP206, PP207, PP208 MO107 MO101 MO102 MO103, MO104, MO105, MO106, R102, R103, R108, R109, R110, R205,	Fiducial Square Imm Programmingpoint Outline of CM4 PR1 OAM Pin 1-100 PR1 OAM Pin 1-100	DF40HC(3.0)-100DS-0.4V DF40HC(3.0)-100DS-0.4V	FldS_1.0mm PP_2MM RPICM4_Layout CM4_001-100 CM4_101-200	Top, Bottom Bottom Top Top Top	
ME0012 ME0015 MO0011 MO0012 MO0013 MO0014 RS0001 RS0003	Fid3, Fid4, Fid7, Fid8 PP201, PP202, PP203, PP204, PP205, PP206, PP206, PP207, PP208 M0107 M0101 M0102 M0103, M0104, M0105, M0106, R102, R103, R108, R109, R110, R205, R206, R207, R208 R106, R207, R208 R106, R207, R208	Fiducial Square Imm Programming-point Outline of CM4 891CM4 Pin 1-100 891 CM4 Pin 101-200 891 CM4 Mounting Studs 1500 1% 100mW 1000 9% 100mW	DF40HC(3.0)-100DS-0.4V DF40HC(3.0)-100DS-0.4V 9774030151R M:: WR06X1500FTL WR06X103.JTL	Fid5_1 crom FP_2WM RPICM4_Layout CM4_001-100 CM4_101-200 CM4_101-200 R0603	Top, Bottom Bottom Top Top Top Top Top Top Top	
ME0012 ME0015 M00011 M00012 M00013 M00014 RS0001 RS0003 RS0006	Fid3, Fid4, Fid7, Fid8 PP201, PP202, PP203, PP204, PP205, PP206, PP207, PP208 MO107 MO107 MO102 MO103, MO104, MO105, MO106, R102, R103, R103, R108, R109, R110, R205, R206, R207, R208 R106, R209, R211 R106, R209, R211	Fiducial Square 1mm Programmingpoint Quillies of CSM BR (CMF Pp. 1.10) BR (CMF Pp. 1.10) BR (CMF Pp. 1.10) BR (CMF Mounting Studs 1500 1% (100mW 1000 3% (100mW	DF40HC(3.0)-100DS-0.4V DF40HC(3.0)-100DS-0.4V 9774030151R MCWR06X1506FTL	FldS_1.0mm PP_2MM PP_2MM SPECM4_Layout CM4_001-100 CM4_01-1200 CM4_M R0603	Top, Bottom Bottom Top Top Top Top Top Top Top	
ME0012 ME0015 MO0011 MO0012 MO0013 MO0014 RS0001 RS0003	FIGS, FIG4, FIG7, FIG6 PP201, PP202, PP203, PP204, PP205, PP207, PP206, PP207, PP208 MO101 MO102, MO103, MO104, MO105, MO106 RT02, RT03, RT08, RT09, RT10, R205, R206, R207, R211 R10, R206, R207, R211 R10, R10, R205, R11, R112,	Fiducial Square Imm Programming-point Outline of CM4 891CM4 Pin 1-100 891 CM4 Pin 101-200 891 CM4 Mounting Studs 1500 1% 100mW 1000 9% 100mW	0F4GHC(3.6)-100CS-0.4V DF4GHC(3.6)-100CS-0.4V 9774030151R MCWROAK150GFTL WROAK103.JTL WROAK003.TL	Fid5_1 crom FP_2WM RPICM4_Layout CM4_001-100 CM4_101-200 CM4_101-200 R0603	Top, Bottom Bottom Top Top Top Top Top Top Top	
ME0012 ME0015 M00011 M00012 M00013 M00014 RS0001 RS0003 RS0006	Fld3, Fld4, Fld7, Fld8 PP201, PP202, PP203, PP204, PP205, PP204, PP207, PP208 MO107 MO101 MO102, MO103, MO104, M0105, M0106, R102, R103, R108, R109, R110, R205, R207, R208 R106, R207, R208 R106, R209, R211 R107 R107 R107	Fiducial Square 1mm Programmingpoint Quillies of CSM BR (CMF Pp. 1.10) BR (CMF Pp. 1.10) BR (CMF Pp. 1.10) BR (CMF Mounting Studs 1500 1% (100mW 1000 3% (100mW	0F4GHC(3.6)-100CS-0.4V DF4GHC(3.6)-100CS-0.4V 9774030151R MCWROAK150GFTL WROAK103.JTL WROAK003.TL	Fid5_1 crom FP_2WM RPICM4_Layout CM4_001-100 CM4_101-200 CM4_101-200 R0603	Top, Bottom Bottom Top Top Top Top Top Top Top	
ME0012 ME0015 MO0011 MO0012 MO0013 MO0014 RS0001 RS0003 RS0006 RS0007	Fid3, Fid4, Fid4, Fid5 PP201, PP202, PP203, PP204, PP205, PP204, PP207, PP208 MO1017 MO1012 MO103, MO104, MO105, MO106 R102, R103, R108, R109, R110, R103, R109, R110, R103, R105, R103, R108, R105, R103, R104, R105, R103, R104, R105, R103, R108, R105, R103, R103, R105, R103, R108, R105, R103, R103, R105, R103, R103, R	Fiducial Square Timm Programmingpoint Quillier of CSM SR (CMR Ptp 1-100) BR (CMR Ptp 1-100) BR (CMR Mounting Studs 1500 1% 100mW 1000 5% 100mW 1000 1% 100mW 1000 1% 100mW	074695C10, 100055.0.4Y 97740301518 M079960415007.10055.0.4Y 97740301518 M07996041500711 W99081000971 W99081000971 W990810009711	F165_1.0mm PP_AMM 8PYCM4_Lisyout 204_001100 204_011200 C044_4M R06003 R06003 R06003 R06003	Top, Bottom Bottom Top Top Top Top Top Top Top T	
ME0012 ME0015 M00011 M00011 M00012 M00014 RS0001 RS0003 RS0006 RS0007 RS0011 RS0014 RS0014 RS0015	Fid3, Fid4, Fid4, Fid5, Fid6 PP001, PP302, PP001, PP302, PP001, PP303, PP200, PP206,	Fiducial Square 1mm Programming-point Outline of CM4 891 CM4 Pin 1-100 891 CM4 Pin 1-100 891 CM5 Pin 101-200 891 CM5 Pin 101-200 891 CM6 Mounting Studs 1500 1% 100mW 1000 1% 100mW 1000 1% 100mW 1000 1% 100mW	0F4GHC(3.6)-100CS-0.4V DF4GHC(3.6)-100CS-0.4V 9774030151R MCWROAK150GFTL WROAK103.JTL WROAK003.TL	F165_1.0mm PP_2MMA	Top, Sottom Bottom Top Top Top Top Top Top Top T	
ME0012 ME0015 M00011 M00011 M00013 M00014 RS0001 RS0007 RS0011 RS0014 RS0014 RS0015 RS0015 RS0015 RS0016 RS0017	FIGS, FIG4, FIG4, FIG4 P2031, PP202 P2031, PP202 P2030, PP205, PP207, PP206, PP207, PP206, MOTION MOTION MOTION MOTION MOTION MOTION MOTION MOTION MOTION MOTION RIGG, BTOS, BTOS, BTOS, BTOS, B	Flocial Square Imm Programming-point Outline of CM4 BR1CM4 Pin 1-100 BR1CM4 Pin 101-200 BR1CM4 Mounting Studs 1500 1% 100mW 1000 5% 100mW 1000 1% 62.5mW 1000 1% 62.5mW 1000 1% 62.5mW	07-694023 (9-1005.6 of 9-1005.6 of 9-1005.	F1dS_1.0mm PP_2MMA PP_2MMA_E1/ppot PP	Top, Bottom Bottom Top Top Top Top Top Top Top T	
ME0012 ME0015 M00011 M00011 M00012 M00014 RS0001 RS0003 RS0006 RS0007 RS0011 RS0014 RS0014 RS0015	Fid3, Fid4, Fid4, Fid5, Fid6 PP001, PP302, PP001, PP302, PP001, PP303, PP200, PP206,	Flücial Square 1mm Programmingpoint Outline of OM4 SPECIAL PROPERTY OF THE STATE	074695C10, 100055.0.4V 97740301518 97740301518 97740301518 97740301518 97740301518 97740301518 97740301518 97740301518 97740301518 97740301518 97740301518 97740301518 97740301518 977403016	F165_1.0mm PP_2MMA	Top, Bottom Bottom Top Top Top Top Top Top Top T	
ME0012 ME0015 MO0011 MO0012 MO0013 MO0014 RS0001 RS0003 RS0006 RS0007 RS0011 RS0011 RS0011 RS0011 RS0011 RS0015 RS0003 RS0003 RS0003 RS0003	FIGS, FIG4, FIG7, FIG4 FP201, PP202, PP201, PP202, PP201, PP202, PP200,	Fiducial Square Trimm Programmingpoint Outline of CM4 BR10MFPR 1-100 BR10MFPR 101-300 BR10MFPR 100-300 BR10MFPR 10	07-640023 (07-000-6-0") 177-0001518 ADVINGATISOTT ADVINGATISOTT	Fid5, 3 omm PF_200MA PF_200MA PF_200MA ON_0011000 OM_0011000 OM_0011000 OM_00110000 OM_00110000 OM_00110000 OM_001100000 OM_0011000000000000000000000000000000000	Top, Bottom Bottom Top Top Top Top Top Top Top T	
ME0012 ME0015 MO0011 MO0011 MO0012 MO0013 MO0014 RS0001 RS0006 RS0007 RS0011 RS0014 RS0014 RS0015 RS0020 RS0022 RS0032	FIGS, FIG4, FIG4, FIG4, FIG4 PP201, PP201, PP202, PP201, PP202, PP201, PP202, PP203, PP203, PP204, PP205, PP206, P	Fiducial Square Timm Programming-point Outline of CM4 BRY CM4 Pin 1-100 BRY CM4 Pin 1-100 BRY CM5 Pin 1-100 BRY CM5 Pin 101-200 BRI CM6 Pin 101-200 BRI CM6 Pin 101-200 BRI CM6 Mounting Studs 1500 1% 100mW 1000 5% 100mW 1000 1% 100mW	07 ##0012 00 1000 0.4 or 1	F1d5_1.0mm PF_3MM PF_3MM PF_3MM PF_3MM PF_104M_12F_100 PS_4M_101.100 PS_4M_101.200 PS_4M_101.200 PS_4M_101.200 PS_4MM PS_4M	Top, Bottom Bottom Top Top Top Top Top Top Top T	
ME0012 ME0015 MO0011 MO0011 MO0012 MO0013 MO0014 RS0001 RS0001	FIGS, FIG4, FIG4, FIG4, FIG4 PP201, PP202, PP202, PP202, PP200, PP202, PP200,	Fiducial Square Term Programmingpoint Outline of CM4 BY COMP Vol 1-100 BY COMP VOL 1-1000 BY COMP VOL 1-1000	07-640CEQ 07-0005-0-07 97-760QES 07-0005-0-07	F185_1 Omm PP_2MM PP_2MM OVERM_Lapped OAA_0101000 CAM_A101200 CA	Top, Bottom Bottom Top Top Top Top Top Top Top T	
ME0012 ME0015 MO0011 MO0012 MO0013 MO0014 RS0001 RS0003 RS0006 RS0007 RS0011 RS0011 RS0014 RS0015 RS00004 RS00032 RS00032 RS00036 RS00036 RS00036 RS00036 RS00036	FIGS, FIG4, FIG4, FIG4, FIG4 PP201, PP202, PP201, PP202, PP200, PP204, PP200, PP206,	Fiducial Square Timm Programming-point Outline of CM4 BRY CM4 Pin 1-100 BRY CM4 Pin 1-100 BRY CM5 Pin 1-100 BRY CM5 Pin 101-200 BRI CM6 Pin 101-200 BRI CM6 Pin 101-200 BRI CM6 Mounting Studs 1500 1% 100mW 1000 5% 100mW 1000 1% 100mW	05 HANCES DI MOSSOS ANY 177 HESISTER ACCUMENTATION DI MOSSOS DI TI 177 HESISTER ACCUMENTATION DI 177 HESISTER ACCUMENTATION 177 HESISTER ACCUMENTATION 177 HESISTER 177 HESIST	F1d5, 3 omm PF_2MM PF_2MM PF_2MM POLMA_Lisyout DAM, 101-100 DAM, 1	Top, Bottom Top Top Top Top Top Top Top Top Top To	
ME0012 ME0015 MO0011 MO0011 MO0013 MO0013 MO0014 RS0003 RS0006 RS0007 RS0011 RS0001 RS0001 RS0001 RS0001 RS0001 RS0001 RS0003	FIGS,	Fiducial Square Timm Programmingpoint Quillian of CSM SRY CAMP D1 - 100 SRY CAMP Mounting Studs 1500 1% 100mW 1000 1% 1	OF HERCE DI 1905 DE 64 P FT HERCE DI 1905 DE 6	F165, 1 Johns PF_20004 PF_20004 PF_20004 PF_20004 PF_20004 PF_20005 P	Top, Bottom Top Top Top Top Top Top Top Top Top To	
ME0012 ME0015 MO0011 MO0011 MO0012 MO0014 RS0001 RS0003 RS0007 RS0001 RS0003	FIGS, FIG4, FIG4, FIG4, FIG4 PP201, PP202, PP202, PP200, PP202, PP200,	Fiducial Square Trimm Programmingpoint Outline of CM4 BR10MFPW11100 BR10MFPW11100 BR10MFPW11100 BR10MFWW11100 BR10MFWW11100 BR10MFWW11100 BR10MFWW11000FWW BR10MFWW11000FWW BR10MFWW11000FWW BR10MFWW11000FWW BR10MFWW11000FWW BR10MFWW1100FWWW1100FWWW1100FWWW11000FWW BR10MFWW1100FWWW1100FWWW1100FWWW11000FWWW1100FWWW1100FWWW1100FWWW1100FWWW1100FWWW1100FWWW1100FWWW1100FWWWW1100FWWWW1100FWWWW1100FWWWWWWWW	07-6400210, 100005.40 Y 977-6005181 ADDRESS AND STATE OF	F185, 1 Johns PP_28864 P	Top, Bottom Top Top Top Top Top Top Top Top Top To	
ME0012 ME0015 M00011 M00011 M00012 M00014 RS0001 RS0003 RS0006 RS0007 RS0011 RS0016 RS0017 RS0018 RS0037 RS0038 RS0037 RS0038 RS0037 RS0038 RS0037 RS0038 RS0039 RS0039 RS0044 RS0045	FIGS, FIG4, FIG4, FIG4, FIG4 FP201, PP202, PP202, PP200, PP202, PP200, PP202, PP200,	Fiducial Square Trimm Programmingpoint Outline of CM4 BR10MFPR 1-100 BR10MFPR 1-100 BR10MFPR 1-100 BR10MFPR 1-100 BR10MFPR 1-100 BR10MFW 1000 9% 100mW 1000 9% 100mW 1000 1% 10	07-640023 (0.1000.6 of 9 97-6000518 (0.1000.6 of 9 97-60005007 (0.1000.6 of 9 97-60005007 (0.1000.6 of 9 97-60005007 (0.1000.6 of 9 97-60006007 (0.1000.6 of 9 9	Fids, 1 dmm PF_28864 PF_28864 204.051100 204.051100 204.051100 204.101100 204.101100 204.101100 204.101100 204.1011000 204.1011000 204.1011000 204.1011000 204.10110000 204.101100000000000000000000000000000000	Top, Bottom Top Top Top Top Top Top Top Top Top To	