

CUSTOMIZED BILLS OF MATERIAL
 (Including Routing)

 Approval Date: _____

 Approval Date: _____

 Approval Date: _____

Project : 140009 UA207 REV01 Status : Active
 WLS906 433 LC Start Date:
 Customer: ENG001 DSC ENGINEERING DEPARTMENT Compl.Dte : 08-31-99
 Manufactured Item: 73-00667 WLS906 433NA UL UA207 REV01X2 BOM Unit: 1 ea
 Revision : 004

Pos.	Item	Description	Revision	IC	Length [m]	Width [m]	No.o Un.	Net Quantity	Un.	Scp [%]	Wrh	Opr	P h	No. Nts	Extra Info
20	01000212	1M OHM 1/10W 5% SMD (0805) RAT		St				2.0000	ea		006	60	N	0	BOTTOM

Location	Net Quantity
R15	1.0000
R49	1.0000

25	01000213	2.7K OHM 1/10W 5% SMD (0805) R		St				1.0000	ea		006		N	0	TOP
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Location	Net Quantity
R55	1.0000

30	01000214	47K OHM 1/10W 5% SMD (0805) RA		St				7.0000	ea		006	60	N	0	BOTTOM
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Location	Net Quantity
R1	1.0000
R2	1.0000
R23	1.0000
R24	1.0000
R31	1.0000
R32	1.0000
R4	1.0000

31	01000214	47K OHM 1/10W 5% SMD (0805) RA		St				1.0000	ea		006	20	N	0	TOP
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Location	Net Quantity
R3	1.0000

40	01000215	3.3K OHM 1/10W 5% SMD (0805) R		St				1.0000	ea		006	60	N	0	BOTTOM
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Location	Net Quantity
R9	1.0000

50	01000217	1.5K OHM 1/10W 5% SMD (0805) R		St				1.0000	ea		006	60	N	0	BOTTOM
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Location	Net Quantity
R45	1.0000

Project : 140009 UA207 REV01 Status : Active
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Pos.	Item	Description	Revision	IC	Length [m]	Width [m]	No.o Un.	Net Quantity	Un.	Scp [%]	Wrh	Opr	P h	No. Nts	Extra Info
60	01000218	10 OHM 1/10W 5% SMD (0805) RAT		St				4.0000	ea		006	20	N	0	TOP

Location	Net Quantity
R54	1.0000
R57	1.0000
R60	1.0000
R62	1.0000

61	01000218	10 OHM 1/10W 5% SMD (0805) RAT		St				2.0000	ea		006	60	N	0	BOTTOM
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Location	Net Quantity
R18	1.0000
R44	1.0000

70	01000219	1K OHM 1/10W 5% SMD (0805) RAT		St				1.0000	ea		006	20	N	0	TOP
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Location	Net Quantity
R53	1.0000

80	01000220	4.7 OHM 1/10W 5% SMD (0805) RA		St				1.0000	ea		006	60	N	0	BOTTOM
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Location	Net Quantity
R46	1.0000

90	01000223	10K OHM 1/10W 5% SMD (0805) RA		St				3.0000	ea		006	60	N	0	BOTTOM
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Location	Net Quantity
R36	1.0000
R37	1.0000
R5	1.0000

91	01000223	10K OHM 1/10W 5% SMD (0805) RA		St				2.0000	ea		006	20	N	0	TOP
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Location	Net Quantity
R21	1.0000
R56	1.0000

100	01000224	330 OHM 1/10W 5% SMD (0805) RA		St				1.0000	ea		006	60	N	0	BOTTOM
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Location	Net Quantity
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Pos.	Item	Description	Revision	IC	Length [m]	Width [m]	No.o Un.	Net Quantity	Un.	Scp [%]	Wrh	Opr	P h	No. Nts	Extra Info
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Location	Net Quantity
R47	1.0000

110|01000226 |4.7K OHM 1/10W 5% SMD (0805) R| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
R13	1.0000

120|01000229 |470K OHM 1/10W 5% SMD (0805) R| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
R33	1.0000

121|01000229 |470K OHM 1/10W 5% SMD (0805) R| |St| | | | 2.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R22	1.0000
R35	1.0000

130|01000230 |68K OHM 1/10W 5% SMD (0805) RA| |St| | | | 2.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
R16	1.0000
R59	1.0000

131|01000230 |68K OHM 1/10W 5% SMD (0805) RA| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R20	1.0000

140|01000231 |100K OHM 1/10W 5% SMD (0805) R| |St| | | | 2.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
R6	1.0000
R7	1.0000

141|01000231 |100K OHM 1/10W 5% SMD (0805) R| |St| | | | 2.0000|ea | |006| 60|N| 0|BOTTOM

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Location	Net Quantity
R25	1.0000
R50	1.0000

221|01000247 |100 OHM 1/10 5% SMD (0805) RAT| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R26	1.0000

230|01000249 |3.3M OHM 1/10W 5% SMD (0805) R| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R42	1.0000

240|01000263 |5.6K OHM 1/10W 5% SMD (0805) R| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
R11	1.0000

250|01000304 |56 OHM 1/10W 5% SMD (0805) RAT| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R17	1.0000

260|01000309 |820 OHM 1/10W 5% SMD (0805) RA| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R34	1.0000

270|01000314 |27K OHM 1/10W 5% SMD (0805) RA| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R10	1.0000

280|01000315 |39K OHM 1/10W 5% SMD (0805) RA| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R39	1.0000

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Location	Net Quantity

290|01000528 |7.5M OHM 1/10W 5% SMD (0805) R| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
R48	1.0000

300|02000033 |POTENTIOMETER 1K CA9V IK HORI| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
RV1	1.0000

310|03000026 |1UF 20% -40~+85C RAD 50V T/R E| |St| | | | 1.0000|ea | |006| 50|N| 0|TOP

Location	Net Quantity
C11	1.0000

320|03000027 |10UF 20% -40~+85C RAD 25V T/R | |St| | | | 1.0000|ea | |006| 50|N| 0|TOP

Location	Net Quantity
C13	1.0000

330|03000086 |100UF 20% 85C RAD 25V T/R EL| |St| | | | 1.0000|ea | |006| 50|N| 0|TOP

Location	Net Quantity
C21	1.0000

340|03000121 |39PF 5% -55~+125C SMD 0805 | |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
C2	1.0000

350|03000118 |10NF 10% -55~+125C SMD 0805 5| |St| | | | 6.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C14	1.0000
C31	1.0000
C37	1.0000

Project : 140009 UA207 REV01

Status : Active

WLS906 433 LC

Start Date:

Customer: ENG001 DSC ENGINEERING DEPARTMENT

Compl.Dte : 08-31-99

Manufactured Item: 73-00667

WLS906 433NA UL UA207 REV01X2

BOM Unit: 1 ea

Revision : 004

Pos.	Item	Description	Revision	IC	Length [m]	Width [m]	No.o Un.	Net Quantity	Un.	Scp [%]	Wrh	Opr	P h	No. Nts	Extra Info
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Location	Net Quantity
C38	1.0000
C42	1.0000
C48	1.0000

360|03000122 |100PF 5% -55~+125C SMD 0805 | |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C35	1.0000

370|03000124 |82PF 5% -55~+125C SMD 0805 | |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C28	1.0000

380|03000125 |100NF 10% -55~+125C SMD 0805 | |St| | | | 4.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
C12	1.0000
C17	1.0000
C26	1.0000
C4	1.0000

390|03000128 |1NF 5% -55~+125C SMD 0805 | |St| | | | 4.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C39	1.0000
C40	1.0000
C43	1.0000
C46	1.0000

391|03000128 |1NF 5% -55~+125C SMD 0805 | |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
C19	1.0000

400|03000129 |12PF 5% -55~+125C SMD 0805 5 | |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
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Status : Active

WLS906 433 LC

Start Date:

Customer: ENG001 DSC ENGINEERING DEPARTMENT

Compl.Dte : 08-31-99

Manufactured Item: 73-00667

WLS906 433NA UL UA207 REV01X2

BOM Unit: 1 ea

Revision : 004

Pos.	Item	Description	Revision	IC	Length [m]	Width [m]	No.o Un.	Net Quantity	Un.	Scp [%]	Wrh	Opr	P h	No. Nts	Extra Info
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Location	Net Quantity
C3	1.0000

401|03000130 |10PF 5% -55~+125C SMD 0805 5| |St| | | | 1.0000|ea | |006| |N| 0|TOP

Location	Net Quantity
C22	1.0000

410|03000137 |3.9PF +/- .1PF -55~+125C SMD | |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C45	1.0000

420|03000143 |47NF 10% -55~+125C SMD 0805 | |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C7	1.0000

421|03000217 |33NF 10% -55~+125C SMD 0805 50| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
C8	1.0000

430|03000158 |2.7PF +/- .1PF -55~+125C SMD | |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C36	1.0000

440|03000169 |1.8PF +/- .1PF -55~+125C SMD | |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C25	1.0000

450|03000196 |220PF 5% -55~+125C SMD 0805 5| |St| | | | 2.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C32	1.0000
C47	1.0000

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WLS906 433 LC

Start Date:

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Compl.Dte : 08-31-99

Manufactured Item: 73-00667

WLS906 433NA UL UA207 REV01X2

BOM Unit: 1 ea

Revision : 004

Pos.	Item	Description	Revision	IC	Length [m]	Width [m]	No.o Un.	Net Quantity	Un.	Scp [%]	Wrh	Opr	P h	No. Nts	Extra Info
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Location	Net Quantity

460|03000205 |2.2NF 10% -55~+125C SMD 0805 5| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C44	1.0000

470|03000207 |3.3NF 10% -55~+125C SMD 0805 5| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
C16	1.0000

480|03000251 |1.5NF 5% -55~+125C SMD 0805 50| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
C18	1.0000

490|03000332 |VAR. TRIM CAP 4.2~20PF RAD -55| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
VC1	1.0000

500|03000405 |10UF 20% -40~+85C RAD 16V LEA| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C9	1.0000

510|03000569 |CAP.SMD TANT. 4.7UF 10V +/- 10| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
C5	1.0000

520|03000578 |CAPACITOR SMD 47NF X7R 50V 5% | |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
C15	1.0000

530|04000012 |SMD NDN CD TRANS TQ-236 HFFM31| |St| | | | 3.0000|ea | |006| 60|N| 0|BOTTOM

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Location	Net Quantity
Q2	1.0000
Q4	1.0000
Q8	1.0000

531|04000071 |NPN SMD SWITCHING TRANS SOT-23| |St| | | | 1.0000|ea | |006| 20|N| 0|BOTTOM

Location	Net Quantity
Q9	1.0000

540|04000013 |SMD NPN GENERAL PURPOSE TO-236| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
Q7	1.0000

550|04000014 |SMD PNP GENERAL PURPOSE TRANS | |St| | | | 2.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
Q1	1.0000
Q3	1.0000

560|04000071 |NPN SMD SWITCHING TRANS SOT-23| |St| | | | 2.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
Q5	1.0000
Q6	1.0000

570|05000001 |HIGH CONDUCT. FAST DIODE PIV=1| |St| | | | 2.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
D3	1.0000
D4	1.0000

580|05000002 |LED RED 3MM T1 100MW MIN I | |St| | | | 1.0000|ea | |006| 80|N| 0|TOP

Location	Net Quantity
LED2	1.0000

590|05000003 |GENERAL PURPOSE RECTIFIER DTV| |St| | | | 1.0000|ea | |006| 30|N| 0|TOP

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Location	Net Quantity
D1	1.0000

610|05000110 |BPW34; PHOTODIODE 2PINS TROUGH| |St| | | | 1.0000|ea | |006| 80|N| 0|TOP

Location	Net Quantity
LED1	1.0000

620|06000675 |3V 2.5% UPOWER VOLT. REG SOT-3| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
U4	1.0000

630|06000750 |MOT. CMOS CONTROLLER MC145012D| |St| | | | 1.0000|ea | |006| 60|N| 0|BOTTOM

Location	Net Quantity
U2	1.0000

640|06000950 |RF2516; VHF/UHF TXR; 100-500MH| |St| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
U3	1.0000

650|06001008 |1K X 8BIT OTP EPROM; 64BYTES | |Cu| | | | 1.0000|ea | |006| 20|N| 0|TOP

Location	Net Quantity
U1	1.0000

660|16000057 |Reed Switch 1Form A Pull-in en| |St| | | | 1.0000|ea | |006| 80|N| 0|TOP

Location	Net Quantity
SW3	1.0000

670|16000116 |Tact Switch Normally Open GND | |St| | | | 1.0000|ea | |006| 80|N| 0|TOP

Location	Net Quantity
SW2	1.0000

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680	21000011	Piezo Buzzer - Self Drive fo=3		St				1.0000	ea		006	80	N	0	TOP

Location	Net Quantity
X1	1.0000

690	22000153	6.78 MHZ 20PPM 2PIN HC49/U CL=		St				1.0000	ea		006	80	N	0	TOP
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Location	Net Quantity
XTAL1	1.0000

Routing for Item		: 73-00667		Routing Unit: 1 ea			
Opr.	Task	Description	Wct	Machine	Setup Time	Run Time	Extra Info
10	210	Solder Screen PCBs	C00	DEK	0	0.000	
20	220	Place/Reflow SMD Components	C00	SMT2	0	0.000	
30	250	Sequence VCD Components	B40	SEQ1	0	0.000	
40	260	Insert VCD Components	B20	VCD1	0	0.000	
50	270	Insert Radial Components	B30	RAD4	0	0.000	
60	230	Place/Glue SMD Components	C00	SMT1	0	0.000	
70	300	Spot-Mask PCB Assemblies	D00		0	0.000	
80	280	Hand Insert Components	D00		0	0.000	
90	310	Wave Solder PCB Assemblies	E10	WAVE1	0	0.000	