

Date : 04-28-00 [13:19]
DSC Ltd. (Mfg)

ENGINEERING BOM

Page : 1
Company : 651

Approval Date: _____
Approval Date: _____
Approval Date: _____

Pos.	Component	Description	Component Type	Revi- sion	Length [m]	Width [m]	No. of Units	Net Quantity	Un.	Extra Info

E-Item : 81005275		WLS925 433-NA REV01 UA203						BOM Unit: 1 ea	
Revision : 003									
10	57000190	WLS-907 HARDWARE PACK	Item					1.0000	ea
20	18005628	WLS925 433NA UNIVERSAL TRANSMI	E-Item	001				1.0000	ea
30	29005100	WLS925-433 INIS ENG	E-Item	001				1.0000	ea
60	17000075	3V LITHIUM BATTERY	Item					1.0000	ea
70	70001129	WLS925 433-NA REV01 UA203	E-Item	003				1.0000	ea
80	18004001	THERMAL TRANSFER LAB 1" X 0.5"	Item	001				1.0000	ea

Project : 140015 UA203 REV01
WLS915 LC 433Mhz

Status : Active
Start Date:
Compl.Dte : 02-25-00

Customer:
Manufactured Item: 70001129
Revision : 003

WLS925 433-NA REV01 UA203

Unit: ea

Level	Pos.	Item	Description	Revi- sion	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
1	10	09000125	UA044 MINI SLTX BATTERY CONTAC		St				2.0000	ea		006		N
1	20	08000716	MINI-TX BATTERY HOLDER PLASTIC		St				1.0000	ea		006		N
1	30	73-00612	WLS925 433-NA REV01 UA203	005	Cu				1.0000	ea		910		N
.2	10	01000231	100K OHM 1/10W 5% SMD (0805) R		St				3.0000	ea		006	50	N

BOM Text

BOTTOM SIDE

Location	Net Quantity
R15	1.0000
R8	1.0000

.2

20

05000239

LM4041EIM3-1.2; ADJ. ZENER REG

St

1.0000

ea

006

50

N

BOM Text

BOTTOM SIDE

Location	Net Quantity
D1	1.0000

.2

30

01000230

68K OHM 1/10W 5% SMD (0805) RA

St

2.0000

ea

006

50

N

BOM Text

BOTTOM SIDE

Location	Net Quantity
R17	1.0000
R7	1.0000

.2

40

01000219

1K OHM 1/10W 5% SMD (0805) RAT

St

1.0000

ea

006

50

N

BOM Text

BOTTOM SIDE

Location	Net Quantity
R19	1.0000

.2

50

03000125

100NF 10% -55~+125C SMD 0805

St

1.0000

ea

006

50

N

BOM Text

BOTTOM SIDE

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WLS915 LC 433Mhz

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Revision : 003

WLS925 433-NA REV01 UA203

Unit: ea

Level	Pos.	Item	Description	Revi- sion	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
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Location	Net Quantity
C8	1.0000

.2 | 60 | 03000135 | 330PF 10% -55~+125C SMD 0805 | | St | | | | 1.0000 | ea | | 006 | 50 | N

BOM Text
BOTTOM SIDE

Location	Net Quantity
C9	1.0000

.2 | 70 | 05000089 | GLASS PASSIVATED RECTIFIE PIV= | | St | | | | 1.0000 | ea | | 006 | 50 | N

BOM Text
BOTTOM SIDE

Location	Net Quantity
D2	1.0000

.2 | 80 | 01000218 | 10 OHM 1/10W 5% SMD (0805) RAT | | St | | | | 3.0000 | ea | | 006 | 50 | N

BOM Text
BOTTOM SIDE

Location	Net Quantity
R12	1.0000
R204	1.0000
R25	1.0000

.2 | 90 | 01000212 | 1M OHM 1/10W 5% SMD (0805) RAT | | St | | | | 1.0000 | ea | | 006 | 50 | N

Location	Net Quantity
R10	1.0000

.2 | 91 | 01000728 | 127K OHM 1/10W 1% SMD (0805) R | | St | | | | 1.0000 | ea | | 001 | | N

BOM Text
BOTTOM SIDE

Location	Net Quantity
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Manufactured Item: 70001129
Revision : 003

WLS925 433-NA REV01 UA203

Unit: ea

Level	Pos.	Item	Description	Revision	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
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Location	Net Quantity
R31	1.0000

.2 | 92|01000727 | 100K OHM 1/10W 1% SMD (0805) R | |St| | | | 1.0000|ea | |001| |N

BOM Text
BOTTOM SIDE

Location	Net Quantity
R29	1.0000

.2 | 100|03000121 | 39PF 5% -55~+125C SMD 0805 | |St| | | | 1.0000|ea | |001| 50|N

Location	Net Quantity
C3	1.0000

.2 | 110|03000129 | 12PF 5% -55~+125C SMD 0805 5 | |St| | | | 1.0000|ea | |006| 50|N

BOM Text
BOTTOM SIDE

Location	Net Quantity
C4	1.0000

.2 | 120|01000247 | 100 OHM 1/10 5% SMD (0805) RAT | |St| | | | 2.0000|ea | |006| 50|N

BOM Text
BOTTOM SIDE

Location	Net Quantity
R11	1.0000
R200	1.0000

.2 | 130|03000118 | 10NF 10% -55~+125C SMD 0805 5 | |St| | | | 2.0000|ea | |006| 50|N

BOM Text
BOTTOM SIDE

Location	Net Quantity
C215	1.0000

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Customer:
Manufactured Item: 70001129
Revision : 003

WLS925 433-NA REV01 UA203

Unit: ea

Level	Pos.	Item	Description	Revi- sion	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
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Location	Net Quantity
C220	1.0000

.2 | 140 | 01000263 | 5.6K OHM 1/10W 5% SMD (0805) R | | St | | | | 1.0000 | ea | | 001 | 50 | N

Location	Net Quantity
R30	1.0000

.2 | 160 | 01000243 | 6.8K OHM 1/10W 5% SMD (0805) R | | St | | | | 1.0000 | ea | | 006 | 50 | N

BOM Text
BOTTOM SIDE

Location	Net Quantity
R34	1.0000

.2 | 170 | 24001409 | SOFTWARE WLS925 433 NA V1.00 | 001 | St | | | | 1.0000 | ea | | 910 | 50 | N

Location	Net Quantity
U1	1.0000

.2 | 180 | 03000122 | 100PF 5% -55~+125C SMD 0805 | | St | | | | 1.0000 | ea | | 006 | 50 | N

BOM Text
BOTTOM SIDE

Location	Net Quantity
C201	1.0000

.2 | 190 | 03000196 | 220PF 5% -55~+125C SMD 0805 5 | | St | | | | 1.0000 | ea | | 006 | 50 | N

BOM Text
BOTTOM SIDE

Location	Net Quantity
C217	1.0000

.2 | 200 | 03000165 | .47PF +/- .1PF -55~+125C SMD | | St | | | | 1.0000 | ea | | 006 | 50 | N

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WLS925 433-NA REV01 UA203

Unit: ea

Level	Pos.	Item	Description	Revi- sion	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
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BOM Text
BOTTOM SIDE

Location	Net Quantity
C207	1.0000

.2	210	03000131	4.7PF +/- .1PF -55~+125C SMD		St				1.0000	ea		001	50	N
----	-----	----------	------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

Location	Net Quantity
C216	1.0000

.2	211	03000137	3.9PF +/- .1PF -55~+125C SMD		St				1.0000	ea		006	20	N
----	-----	----------	------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

BOM Text
TOP SIDE

Location	Net Quantity
C228	1.0000

.2	220	16000116	Tact Switch Normally Open GND		St				1.0000	ea		006	70	N
----	-----	----------	-------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

Location	Net Quantity
SW	1.0000

.2	230	16000104	Reed Switch Form A Cut & forme		St				1.0000	ea		006	70	N
----	-----	----------	--------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

Location	Net Quantity
SW2	1.0000

.2	240	03000332	VAR. TRIM CAP 4.2~20PF RAD -55		St				1.0000	ea		006	70	N
----	-----	----------	--------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

Location	Net Quantity
C5	1.0000

.2	250	14000038	TERMINAL BLOCK 2 POSITION (JTB		St				1.0000	ea		006	70	N
----	-----	----------	--------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

Location	Net Quantity
A	1.0000

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Revision : 003

WLS925 433-NA REV01 UA203

Unit: ea

Level	Pos.	Item	Description	Revi- sion	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
.2	260	22000153	6.78 MHZ 20PPM 2PIN HC49/U CL=		St				1.0000	ea		006	70	N

Location	Net Quantity
XTL	1.0000

.2	270	05000016	ZENER DIODE 15V 1W 10% IR=5		St				1.0000	ea		006	30	N
----	-----	----------	-----------------------------	--	----	--	--	--	--------	----	--	-----	----	---

Location	Net Quantity
ZD1	1.0000

.2	280	01000223	10K OHM 1/10W 5% SMD (0805) RA		St				2.0000	ea		006	20	N
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BOM Text
TOP SIDE

Location	Net Quantity
R32	1.0000
R33	1.0000

.2	290	01000240	33K OHM 1/10W 5% SMD (0805) RA		St				1.0000	ea		006	20	N
----	-----	----------	--------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

BOM Text
TOP SIDE

Location	Net Quantity
R209	1.0000

.2	300	03000518	CAP SMD TANT. 4.7UF 6.3V +/- 2		St				1.0000	ea		006	20	N
----	-----	----------	--------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

BOM Text
TOP SIDE

Location	Net Quantity
C7	1.0000

.2	310	03000118	10NF 10% -55~+125C SMD		St				3.0000	ea		006	20	N
----	-----	----------	------------------------	--	----	--	--	--	--------	----	--	-----	----	---

BOM Text
TOP SIDE

Location	Net Quantity

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Customer:
Manufactured Item: 70001129
Revision : 003

WLS925 433-NA REV01 UA203
Unit: ea

Level	Pos.	Item	Description	Revi- sion	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
-------	------	------	-------------	---------------	----	----------------	---------------	--------------------	--------------	-----	------------	-----	-----	------------

Location	Net Quantity
C10	1.0000
C223	1.0000
C224	1.0000

.2

32003000128

1NF 5% -55~+125C SMD 0805

St

3.0000

ea

006

20

N

BOM Text
TOP SIDE

Location	Net Quantity
C218	1.0000
C229	1.0000
C230	1.0000

.2

33003000196

220PF 5% -55~+125C SMD 0805 5

St

2.0000

ea

006

20

N

BOM Text
TOP SIDE

Location	Net Quantity
C11	1.0000
C225	1.0000

.2

34001000235

1.8K OHM 1/10W 5% SMD (0805) R

St

1.0000

ea

006

20

N

BOM Text
TOP SIDE

Location	Net Quantity
R208	1.0000

.2

35001000218

10 OHM 1/10W 5% SMD (0805) RAT

St

2.0000

ea

006

20

N

BOM Text
TOP SIDE

Location	Net Quantity
R207	1.0000
R210	1.0000

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Project : 140015 UA203 REV01
WLS915 LC 433Mhz

Status : Active

Start Date:

Compl.Dte : 02-25-00

Customer:

Manufactured Item: 70001129

WLS925 433-NA REV01 UA203

Unit: ea

Revision : 003

Level	Pos.	Item	Description	Revision	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
.2	360	03000581	CAP SMD 2.2NF NPO 50V 5% (SIZE		St				1.0000	ea		006	20	N

BOM Text
TOP SIDE

Location	Net Quantity
C227	1.0000

.2	370	03000122	100PF 5% -55~+125C SMD 0805		St				2.0000	ea		006	20	N
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BOM Text
TOP SIDE

Location	Net Quantity
C205	1.0000
C211	1.0000

.2	380	01000219	1K OHM 1/10W 5% SMD (0805) RAT		St				1.0000	ea		006	20	N
----	-----	----------	--------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

BOM Text
TOP SIDE

Location	Net Quantity
R203	1.0000

.2	390	03000125	100NF 10% -55~+125C SMD 0805		St				1.0000	ea		006	20	N
----	-----	----------	------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

BOM Text
TOP SIDE

Location	Net Quantity
C6	1.0000

.2	400	06000950	RF2 5/6 UHF/UHF TRANSMITTER 10		St				1.0000	ea		006	20	N
----	-----	----------	--------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

BOM Text
TOP SIDE

Location	Net Quantity
U200	1.0000

.2	410	01000212	1M OHM 1/10W 5% SMD (0805) RAT		St				1.0000	ea		006	20	N
----	-----	----------	--------------------------------	--	----	--	--	--	--------	----	--	-----	----	---

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Revision : 003

WLS925 433-NA REV01 UA203

Unit: ea

Level	Pos.	Item	Description	Revi- sion	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
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BOM Text
TOP SIDE

Location	Net Quantity
R28	1.0000

.2 | 420 | 01000227 | 3.9K OHM 1/10W 5% SMD (0805) R | | St | | | | 1.0000 | ea | | 006 | 20 | N

BOM Text
TOP SIDE

Location	Net Quantity
R206	1.0000

.2 | 430 | 11001892 | WLS915LC 433 (UA203) REV01 | | Cu | | | | 1.0000 | ea | | 006 | 10 | N
.2 | 440 | 03000119 | 1.2PF +/- .2PF -55~+125C SMD | | St | | | | 1.0000 | ea | | 006 | | N

BOM Text
BOTTOM SIDE

Location	Net Quantity
C14	1.0000

.2 | 450 | 10000173 | 3.5 TURN COIL; 22AWG, INT-DIA= | | St | | | | 2.0000 | ea | | 006 | | N

BOM Text
TOP SIDE

Location	Net Quantity
L2	1.0000
L4	1.0000

.2 | 460 | 10000049 | COIL 2.5 TURN GREEN 22AWG H=.3 | | St | | | | 2.0000 | ea | | 006 | | N

BOM Text
TOP SIDE

Location	Net Quantity
L1	1.0000
L3	1.0000

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WLS925 433-NA REV01 UA203

Unit: ea

Level	Pos.	Item	Description	Revi- sion	IC	Length [m]	Width [m]	Number of Units	Net Quantity	Un.	Scp [%]	Wrh	Opr	Ph. tom
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.2

Routing for Item 73-00612 WLS925 433-NA REV01 UA2 Routing Unit: 1 ea							
Opr.	Task	Description	WCt	Machine	Setup Time	Run Time	Extra Info
10	210	Solder Screen PCBs	C00	DEK	0	0.500	
20	220	Place/Reflow SMD Components	C00	SMT2	0	0.075	
30	250	Sequence VCD Components	B40	SEQ1	0	0.003	
40	260	Insert VCD Components	B20	VCD1	0	0.004	
50	230	Place/Glue SMD Components	C00	SMT1	0	0.140	
60	300	Spot-Mask PCB Assemblies	D00		0	0.500	
70	280	Hand Insert Components	D00		0	0.600	
80	310	Wave Solder PCB Assemblies	E10	WAVE1	0	0.330	

1	40	12000469	SPRING L=.018" INSIDE=.121" OU	St				1.0000	ea		006	N
1	50	18003236	PAPER LABEL .23"X1" DURTRAN II	St				1.0000	ea		006	N
1	60	08001214	TOP WHITE PLASTIC FOR MINI SLI	St				1.0000	ea		006	N
1	70	08001213	BOTTOM WHITE PLASTIC FOR MINI	St				1.0000	ea		006	N
1	80	19000960	MINI SLIM TRANSMITTER (WLS925)	St				1.0000	ea		006	N

Location	Net Quantity
ANT1	1.0000

1	90	18004001	THERMAL TRANSFER LAB 1" X 0.5"	001	St			1.0000	ea		001	N
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