Dragonchip

User Manual
for
DC66XXF Demoboard
ver1.4

Revision History

The following table shows the revision history for this document.

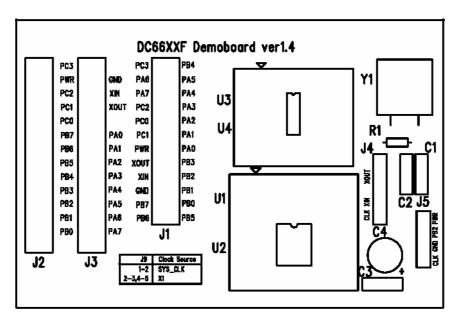| Date	Document Revision	Revision
Dec, 2006	1.0	Preliminary
Jun, 2008	1.1	Correct On-Board graph on Section2

Contents

1   Introduction

The Objective of this document is to provide the user a quick start to use DC66XXF Demoboard ver1.4 to download code to device. This board is applicable to DC6688F05S.

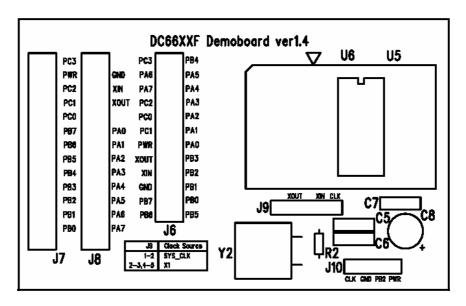For whole software and hardware setup to download code to device, "User Manual for
SL Programmer Board Ver1.1" should be referred.

There are two versions for different IC package. They are
1) SSOP (U1, U2) and TSSOP (U3, U4)

2) SOP (U5, U6)

The circuit and components of the two demoboards are corresponded to each other as the following table:

Components	SSOP/TSSOP version	SOP version
Jumper	J1	J6
Jumper	J2	J7
Jumper	J3	J8
Jumper	J4	J9
Jumper	J5	J10
IC Socket	U1, U3	U5
IC	U2, U4	U6
Capacitor	C1	C5
Capacitor	C2	C6
Capacitor	C3	C7
Capacitor	C4	C8
Oscillator	Y1	Y2
Resistor	R1	R2

2   Jumper Setting

The clock source selection while programming with SL Programmer is set in J4 (or J9).

System Clock   On-board

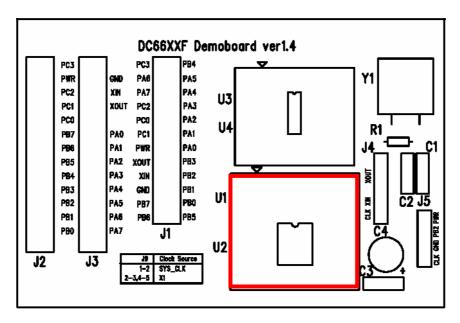| J4 (or J9)	Clock Source
1 – 2 short	System clock provided by SL Programmer Board Ver1.1
2 – 3 short 4 – 5 short	On-board 'Y1' (or 'Y2') (Default)

Remarks:
[1] The red parts show that the marking printed in the PCB is wrong

When system clock is used, the clock should be connected to the pin marked with "CLK" in J5 (or J10)
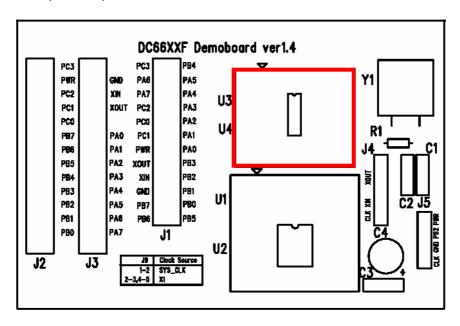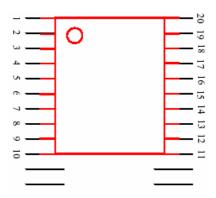
3   IC placement

1) SSOP20 (U1, U2)

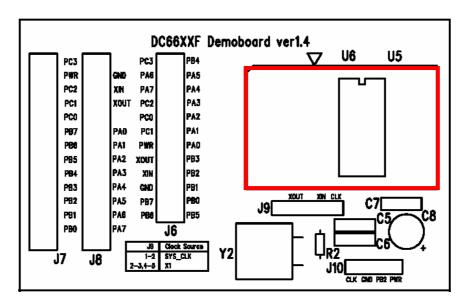The placement of the chip into the IC socket should be fitted. The small triangle shows the position of pin 1.
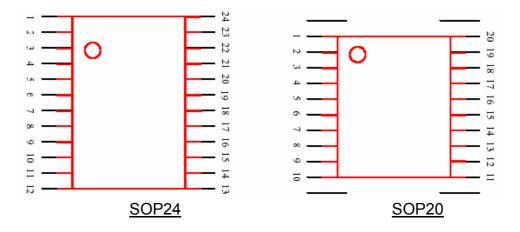
2) TSSOP24 (U3, U4)

The small triangle shows the position of pin 1. The IC socket of U3 or U4 has 28 pins while the TSSOP24 IC has 24 pins. The IC should be placed at the topmost position as shown below:

3) SOP20/SOP24 (U5, U6)

The small triangle shows the position of pin 1. Either SOP20 or SOP24 should be placed at the centre of the IC socket as shown below:

SOP24   SOP20

4   SL Programming

To program the IC with SL Programmer Board ("User Manual for SL Programmer Board Ver1.1" should be referred), a 3-pin connector from the programmer board should be plugged into J5 (or J10). The 3 pins used for SL programming are GND, PB2 and PWR:

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