



JH602J/JH602T

for SH3 series

Specifications

Common Part	
Target Processor	SH7706/7709A/7709S/7727/7729/7729R
Operation Voltage	VCCQ: [SH7727]: 2.6 – 3.6v [SH7706/7709A/7709S/7729/7729R]: 3.0 – 3.6v VCC: [SH7706]: 1.75 – 2.05v [SH7727]: 1.6 – 2.05v [SH7709A/7709S/7729/7729R]: 1.55 – 2.15v
Operating Clock	CPU: 133MHz – 200MHz(max) [supported the maximum frequency each MPU] External Bus: 66MHz(max) Peripheral Module: 33MHz(max)
Memory Space	All memory space is released to a users system
Interrupts	All memory space is released to a users system
Endian	Little Endian/Big Endian
Target System I/F	[H-UDI Interface (14pin, 2.54mm pitch)] The connector on the target: 7614-6002FL(Sumitomo 3M) [H-UDI + AUD Interface (36pin)] The connector on the target: DX10M-36S/DX10M-36SE/DX10GM-36SE(Hirose)
Software Break	Point break: 1024 points by replacing instructions with software break Temporary break: 1 point (by using On-Chip Resource) Countable break: 1 point
Hardware Break	2 Points (max)
OCD Break	1 Point (Fetch Break/Data Access Break in the cash/user ROM area)
Flash Programming	Flash memory programmable with the standard commands (block erasing/programming) of JEDEC (compliant) & INTEL (equivalent) methods is supported.
Performance Feature	Only for JH602T model.

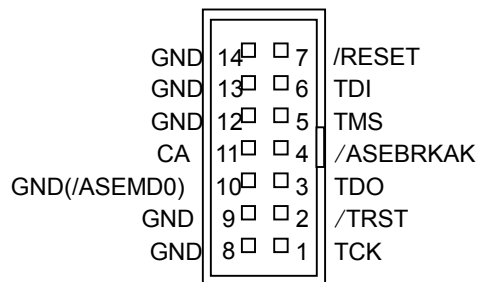
Other Specifications	
Host PC and OS	PC/AT Compatible, Microsoft Windows 98SE, Me, XP, NT4.0, 2000 USB(Full-speed)
Compiler	Renesas Technology C/C++ compiler Green Hills C/C++ compiler Gaio Technology C compiler

System Configuration

Model	Details
1 JH602J	Main unit for JTAG Model, HUDI Probe, Install Kit(Debugger, USB cable, Documents)
JH602T	Main unit for Trace Model, HUDI/AUDProbe, Install Kit(Debugger, USB cable, Documents)
(Options)	
External Cable	For the external trigger

H-UDI Pin Assignment

Pin No.	Signal Name	notes	Pin No.	Signal Name	notes
14	GND	*3	7	/RESET	*1
13	GND	-	6	TDI	-
12	GND	-	5	TMS	-
11	NC	-	4	/ASEBRKAK	-
10	GND(/ASEMD0)	*2	3	TDO	-
9	GND	-	2	/TRST	-
8	GND	-	1	TCK	-



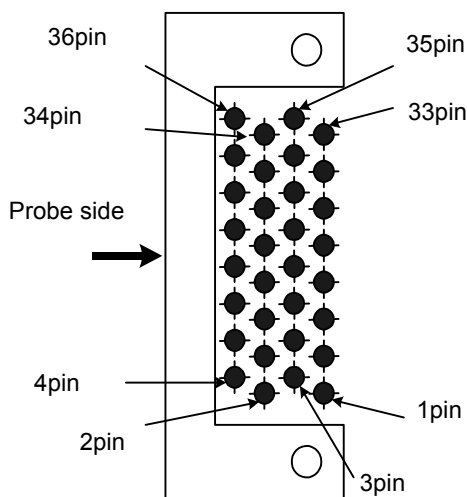
*1 Connect the signal to /RESETP of MPU.

*2 By connecting /ASEMD0, MPU will be automatically ASE mode (ICE mode) when it is connecting to advicePOCKET.

*3 By detecting the GND on the user system, the condition of the connecting to the user system is monitored.

Trace Probe Pin Assignment

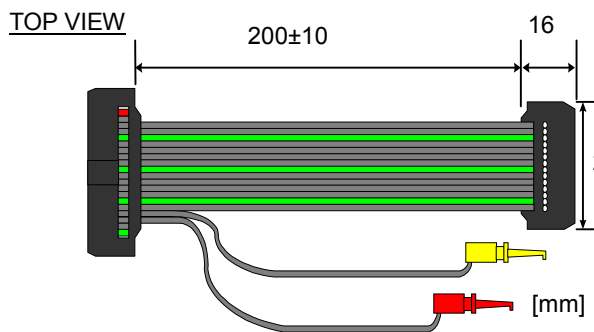
Pin No.	Signal Name	notes	Pin No.	Signal Name	notes
36	GND	-	35	NC	-
34	GND	-	33	GND	-
32	GND	-	31	/RESET	*2
30	GND(ASEMD0)	*1	29	CA	-
28	GND	-	27	/ASEBRKAK	-
26	GND	-	25	TDO	-
24	GND	-	23	TDI	-
22	GND	-	21	/TRST	-
20	GND	-	19	TMS	-
18	GND	-	17	TCK	-
16	GND	-	15	NC	-
14	GND	-	13	NC	-
12	GND	-	11	/AUDSYNC	-
10	GND	-	9	AUDATA3	-
8	GND	-	7	AUDATA2	-
6	GND	-	5	AUDATA1	-
4	GND	-	3	AUDATA0	-
2	GND	-	1	AUDCK	-



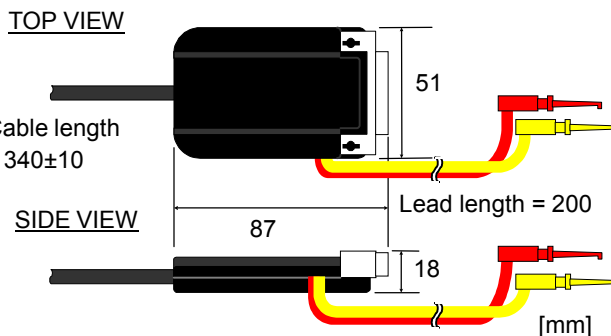
*1 Connect the signal to /RESETP of MPU.

*2 By connecting /ASEMD0, MPU will be automatically ASE mode (ICE mode) when it is connecting to advicePOCKET.

H-UDI Probe Dimension



Trace Probe Dimension



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