

YL510: advicePLUS for M16C/10 series

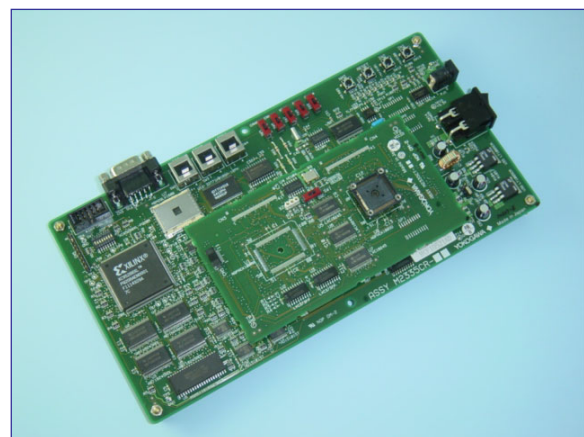
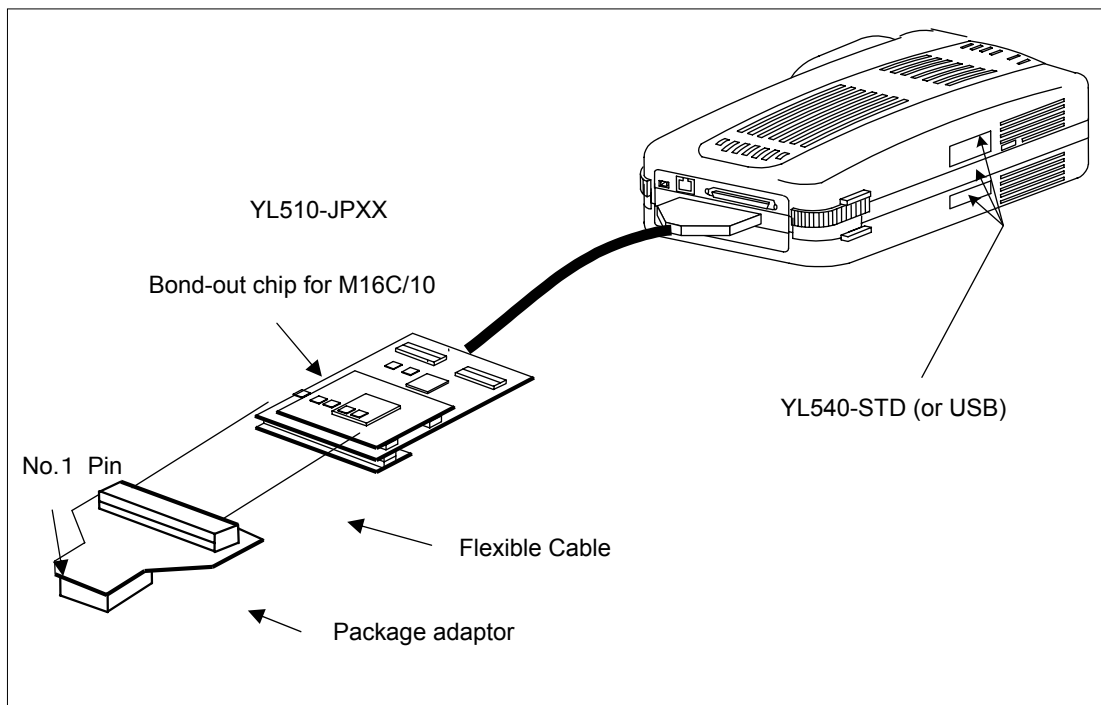
■ Specifications

| Common Part | |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target Processor | M30100M2-xxxFP, M30102M2-xxxFP, M30100M3-xxxFP, M30102M3-xxxFP M30100F3-FP, M30102F3FP, M30100M2T-xxxFP, M30102M2T-xxxFP M30100M3T-xxxFP, M30102M3T-xxxFP, M30100F3TFFP, M30102F3TFP |
| Operation Voltage | 2.7V to 5.5V |
| Operating Clock | 16MHz (at 4.2V to 5V)/5MHz (at 2.7V to 5V) |
| Memory Space | All memory space made available to a user's system |
| Interrupts | All interrupts made available to a user's system |
| Target System I/F | <ul style="list-style-type: none"> • QFP32pin, 0.8mm pitch (32P6A) Probe Head Socket: YQPACK032SA (Tokyo Eletec) Socket on target: NQPACK032SA (Tokyo Eletec) • QFP48pin, 0.5mm pitch (48P6A) Probe Head Socket: YQPACK048SD (Tokyo Eletec) Socket on target: NQPACK048SD (Tokyo Eletec) |
| Internal ROM/RAM Emulation | ROM: Dedicated memory on the probe RAM: Dedicated memory on the probe |
| Breakpoint | 1024 points by replacing instructions with software break Temporary break: 1 point Countable break: 1 point Event break: 15 points (OR condition with event setting) |
| Event | Number of Events: 15 points (Max.) Event counter: 6 points Sequential switch: 8 bit Trigger Condition: The following AND/OR settings are available. Address: Match/Not match/Range/Out of Range/Don't Care Data: Match/Not match/Range/Out of Range/Don't Care Access Status: FT/BFT/R/W/RW/MR/MW/MRW/DMAR/DMAW/DMARW/IA |
| Trace | Size: 32K samples Mode: Normal mode/Multi sample mode Timestamp resolution: 20ns/100ns |
| Performance | Range to measure: To be set up with OR condition of Event Range to exclude from measurement: To be set up with OR condition of Event Time resolution: 20ns Time-over /Time-under break |
| Optional Features | |
| Coverage | Coverage size: 2MB |
| External bus emulation | External bus emulation is not supported as M16C/10 is a single chip microcomputer. |
| Others | |
| Host PC | PC/AT Compatible, Microsoft Windows 98SE, Me, XP, NT4.0, 2000 10BASE-T/100BASE-TX, USB1.1 |
| Debugger | microVIEW-PLUS (DL510) |
| Compiler | Mitsubishi C compiler GAIO C compiler |

■ System Configuration

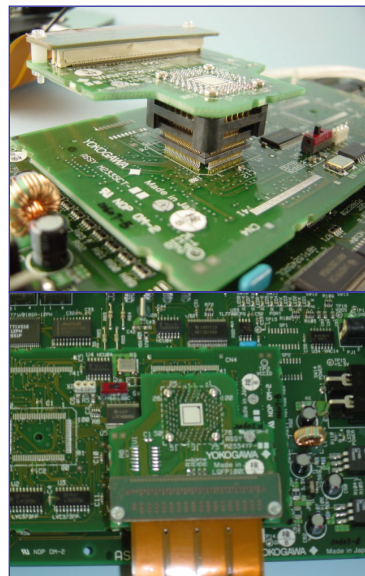
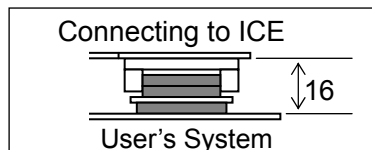
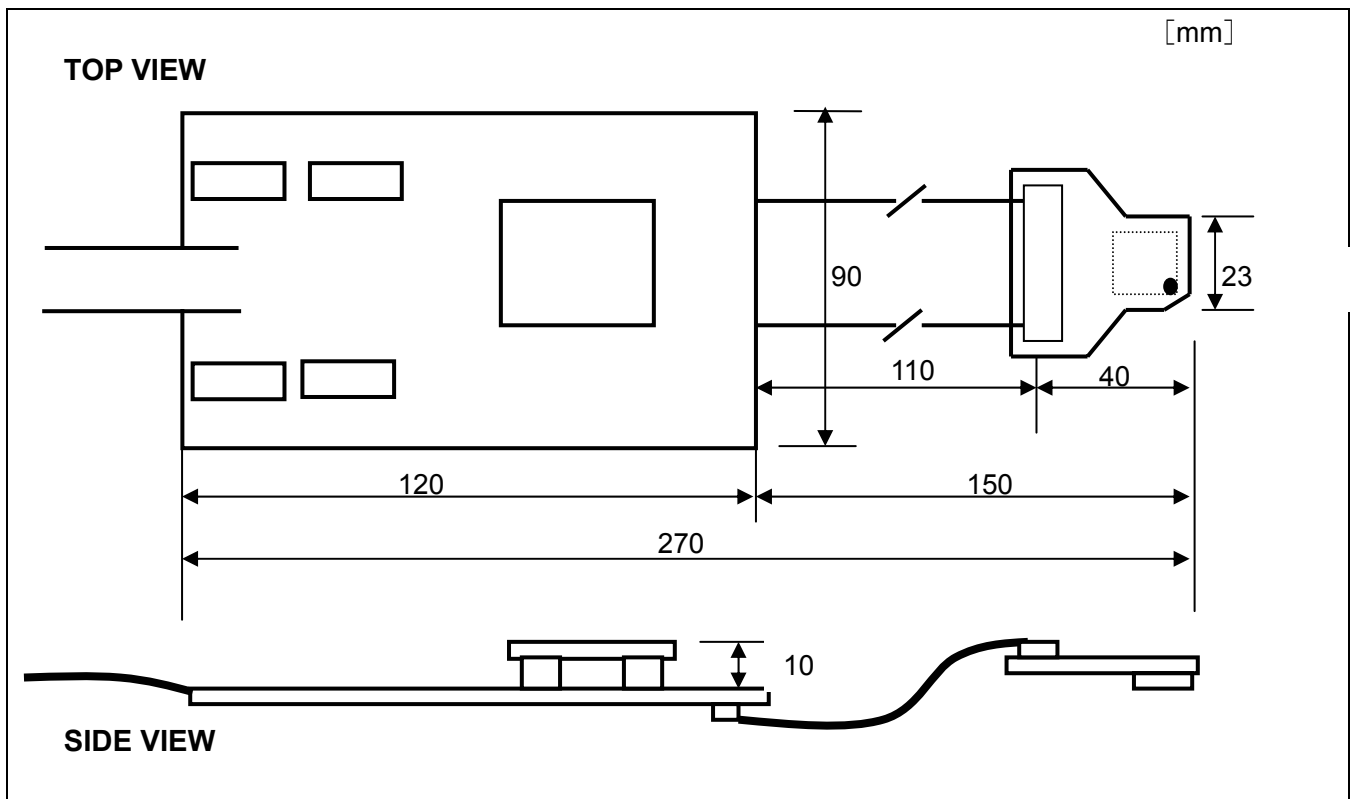
| Model | | Description |
|-------|-----------------|----------------------------------------------------------------------|
| 1 | YL540-STD | Main Module for M16C/10, Ethernet I/F, AC adaptor |
| | YL540-USB | Main Module for M16C/10, USB I/F and cable, AC adaptor |
| | YL540-STD/COV02 | Main Module for M16C/10, Ethernet I/F, AC adaptor, 2MB Coverage |
| | YL540-USB/COV02 | Main Module for M16C/10, USB I/F and cable, AC adaptor, 2MB Coverage |
| 2 | YL510-JP01 | Probe for M16C/10 (QFP48pin, 0.5mm) |
| | YL510-JP02 | Probe for M16C/10 (QFP32pin, 0.8mm) |
| 3 | YL510-DP01 | Dummy Target for M16C/10 (QFP48pin, 0.5mm), AC adaptor |
| | YL510-DP02 | Dummy Target for M16C/10 (QFP32pin, 0.8mm), AC adaptor |
| 4 | YL540-PFL | Profile Module |
| 5 | DL510 | microVIEW-PLUS for M16C/10 |

■ System Connection Example



Dummy Target for YL510-JP01

■ Probe's Dimension



Connecting with Target Board

Yokogawa Digital Computer Corporation

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