

**Work Sample Details For Test Report Quanta Laboratories Job # QL-17-0273**

[1-1] [1-3] [2-1]

[1-2] [1-4] [2-2]

[4-1] [3-1-1] [3-1-2] [2-3]

<p>[1-1] PCB 1.6 mm thick DUMMY-CHIP mm SQ thick HEATSINK QTUM45-25B 37.0g SPRING S001YZ4J TSPH-0.8-3.4 ANCHOR ANCR-11 TIM YG6260 TOTAL FORCE 2.1 kgf (20.9N) 18.8PSI</p>	<p>[1-3] PCB 1.6 mm thick DUMMY-CHIP 12.7mm SQ 1.7mm thick HEATSINK QTLM50-30B 39.9g SPRING S001YZ4J TSPH-0.8-3.4 ANCHOR ANCR-11 TIM YG6260 TOTAL FORCE 2.1 kgf (20.9N) 18.8PSI</p>	<p>[2-1] PCB 1.6 mm thick DUMMY-CHIP 25.0mm SQ 3.6mm thick HEATSINK UBP80-25B 150.0g PUSH-PIN PIP3.175x18.8 SPRING S001YJ02 TIM YG6260 TOTAL FORCE 8.2 kgf (80.8N) 18.7PSI</p>
<p>[1-2] PCB 1.6 mm thick DUMMY-CHIP 12.7mm SQ 1.7mm thick HEATSINK QTLM60-30B 57.3g SPRING S001YZ4M TSPH-1.0-3.4 ANCHOR ANCR-12 TIM YG6260 TOTAL FORCE 4.2 kgf (41.6N) 37.4PSI</p>	<p>[1-4] PCB 1.6 mm thick DUMMY-CHIP 12.7mm SQ 1.7mm thick HEATSINK QTUM60-25B 64.3g SPRING S001YZ4M SPH-1.0-3.4 ANCHOR ANCR-12 TIM YG6260 TOTAL FORCE 4.2 kgf (41.6N) 37.4PSI</p>	<p>[2-2] PCB 1.6 mm thick DUMMY-CHIP 25.0mm SQ 3.6mm thick HEATSINK UBP90-15B 134.0g PUSH-PIN PIP3.175x14.3 SPRING S001YJ0G TIM YG6260 TOTAL FORCE 6.8 kgf (66.5N) 15.4PSI</p>
<p>[4-1] PCB 1.6 mm thick DUMMY-CHIP 25.0mm SQ 2.5mm thick HEATSINK FSP50-25M45 (FAN) 69.0g PUSH-PIN PIP3.175x14.3 SPRING S001YJ1F TIM YG6260 TOTAL FORCE 3.9 kgf (37.9N) 8.8 PSI</p>	<p>[3-1-1] PCB 1.6 mm thick DUMMY-CHIP 12.7mm SQ 2.5mm thick HEATSINK UB19-25B 6.0g QSZ CLIP QSZ24x24R (φ1.0) ANCHOR ANCR-11 TIM YG6260 TOTAL FORCE 1.2 kgf (11.8N) 10.6PSI</p>	<p>[2-3] PCB 1.6 mm thick DUMMY-CHIP 25.0mm SQ 3.6mm thick HEATSINK UBP100-25B 264.0g PUSH-PIN PIP3.175x20.3 SPRING S001YJ2T + 0.5mm thick washer TIM YG6260 TOTAL FORCE 14.3 kgf (140.6N) 32.6PSI</p>
	<p>[3-1-2] PCB 1.6 mm thick DUMMY-CHIP 12.7mm SQ 2.5mm thick HEATSINK UB25-25B 12.0g QSZ CLIP QSZ29x29 (φ1.2) ANCHOR ANCR-11 TIM YG6260 TOTAL FORCE 1.65kgf (16.2N) 14.5PSI</p>	