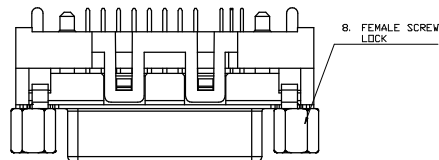
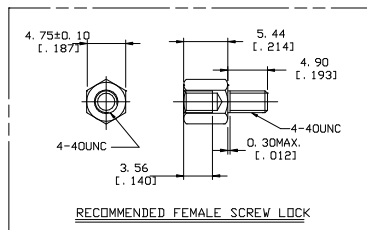


TYPE I

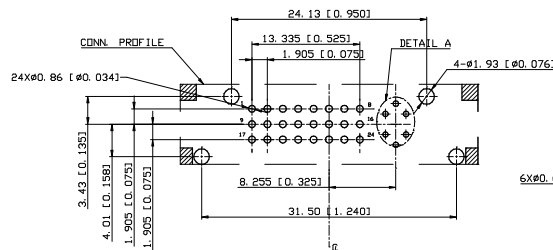
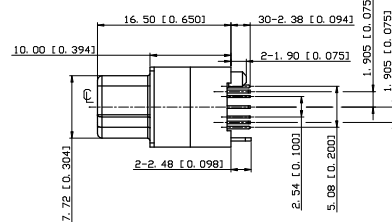
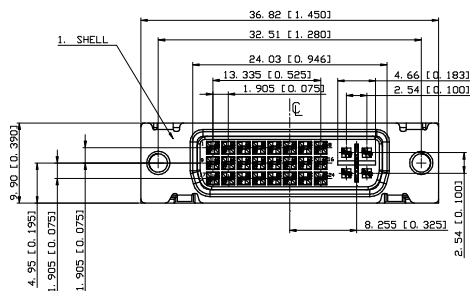
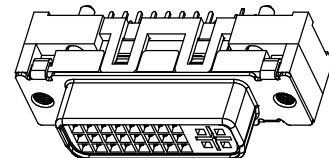


TYPE II/TYPE III



SPECIFICATION:

1. BASE UPON DDWG DVI REV. 1.0 STANDARD.
2. ELECTRICAL CHARACTERISTICS:
 - 2-1 CONTACT CURRENT RATING: 1.5 A MAX.
 - 2-2 APPLIED VOLTAGE RATING: 40 V(RMS) MAX.
 - 2-3 CONTACT RESISTANCE:
INITIAL: 20 MILLIOHMS MAXIMUM,
AFTER DURABILITY: NO CHANGE GREATER THAN +10 MILLIOHMS.
 - 2-4 DIELECTRIC WITHSTANDING VOLTAGE: 500 V DC.
 - 2-5 INSULATION RESISTANCE: 1 GIGAOHM MINIMUM.
3. MECHANICAL CHARACTERISTICS:
 - 3-1 CONNECTOR MATING & UNMATING FORCES:
MATING FORCE: 4.5 KgF MAXIMUM,
UNMATING FORCE: 1~4 KgF.
 - 3-2 DURABILITY: 100 CYCLES.
 - 3-3 OPERATION TEMPERATURE RATING: -20~85°C.
4. RECOMMENDED THICKNESS OF PCB: 1.57±0.10 MM.
5. RoHS COMPLIANT.
6. RECOMMEND SOLDER PROCESS:
WAVE SOLDER 260°C 3~5 SECOND.



RECOMMENDED PCB LAYOUT
(VIEW FROM COMPONENT SIDE)
(HATCHED AREA FOR STANDOFFS, LAYOUT TOLERANCE: ±0.05 (0.002))

PART NO.: QH 0 1 1 2 1-GW*-* F

Lead Free

EXTENSION CODE

GOLD PLATED THICKNESS AT CONTACT AREA:

1 = GOLD FLASH

NO. OF CONTACT POSITIONS:

12 = 24 POS.

TERMINATION TYPE:

1 = FEMALE

BODY TYPE:

0 = VERTICAL

TYPE III	QH01121-GWK-PF	W/ FSL UNLOAD
TYPE II	QH01121-GWL-4F	W/ FSL
TYPE I	QH01121-GWK-4F	W/O FSL
TYPE	P/N	REMARK

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8	FEMALE SCREW LOCK	2	COPPER ALLOY	NICKEL PLATED; (SEE P/N)
7	HOOK	2	SPCC	NICKEL UNDERPLATING; TIN OVERPLATING
6	BLADE	1	COPPER ALLOY	NICKEL UNDERPLATING; GOLD FLASH AT CONTACT AREA;
5	ANALOG CONTACT	4	COPPER ALLOY	NICKEL UNDERPLATING; GOLD FLASH AT CONTACT AREA;
4	DIGITAL CONTACT	24	COPPER ALLOY	NICKEL UNDERPLATING; GOLD FLASH AT CONTACT AREA;
3	SPACER	1	THERMOPLASTIC UL 94V-0	MOLDED COLOR: BLACK
2	HOUSING	1	THERMOPLASTIC UL 94V-0	MOLDED COLOR: IVORY
1	SHELL	1	STEEL	TIN PLATED
ITEM	DESCRIPTION	Q'TY	MATERIAL	TREATMENT
X.±	X°.±	UNITS	mm [inch]	NAME(INTENDED USE)
.X±	.X°.±	MAT'L	N/A	CUSTOMER
.XX±	.XX°.±	FINISH	N/A	PART NO.(INTENDED USE)
.XXX±	.XXX°.±	Q'TY	N/A	APPD: COREL ZHU 5/14/05
				CHKD: Dean Zhang 5/14/05
				DR: Sean Han 5/14/05
				DWG NO.: 301-0000-1118
				SCALE SHEET REV.
				N/A 1/1 A