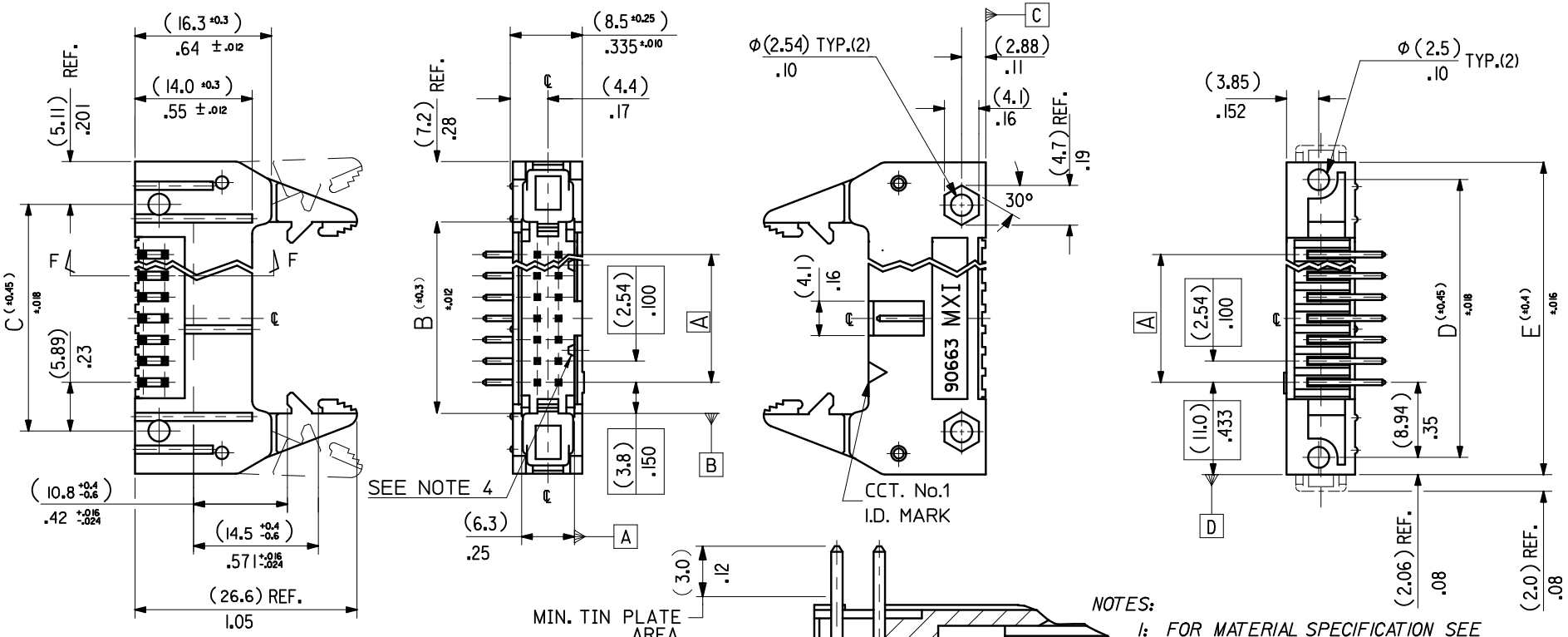


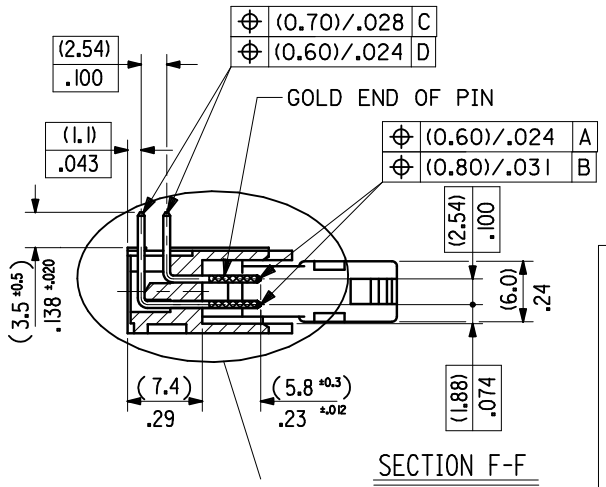
NOTES:

1: FOR MATERIAL SPECIFICATION SEE NOTE 1 ON SHEET 4.

2: FOR RECOMMENDED P.C.B. HOLE PATTERN, PART No's AND UNSTATED DIMENSIONS SEE SHEET 4.

3: PRODUCT SPEC.No.: PS-99020-0015.

4: THIS RIB IS NOT PRESENT ON 10 & 14 CKT PARTS



SECTION F-F

DETAIL A
DIMENSIONS FOR SELECTIVE PLATING'S, SCALE 4:1

REMOVED REF'S TO COLOR STAMP
EC NO: E2011-0063 2010/08/12
DRWN: JOCONNOR 2010/08/25
CH'KD: 2010/08/30
APPR: EFOLAN
DESCRIPTION
REV: G

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

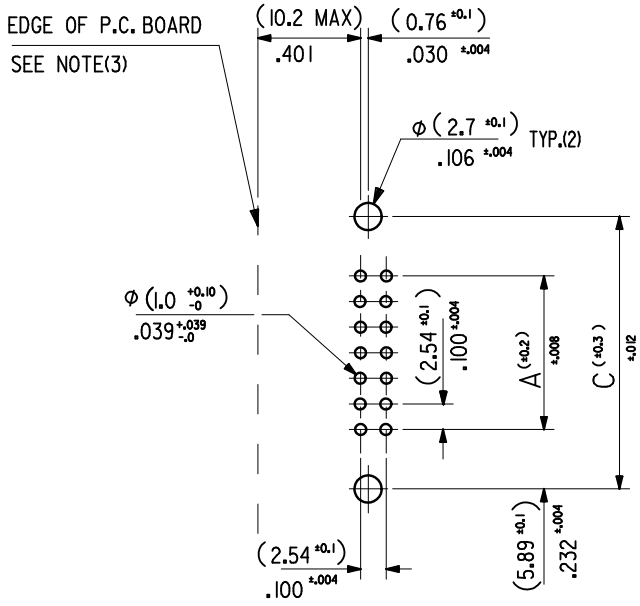
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	±.008
2 PLACES	± 0.20	±.008
1 PLACE	± 0.20	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: POB DATE: 1990/11/07	TITLE: QF50 SRD HDR RA KEY W/ELV		
CHECKED BY: JDENNEHY DATE: 2004/11/24			
APPROVED BY: JDENNEHY DATE: 2004/11/24	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE SHEET 4	DOCUMENT NO.: SDA-90663E	SHEET NO.: 3 OF 9	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

tb_frame_A3_P_ME_T
Rev. D 2004/04/02

A	B	C	D	E	ENG. NO. GS1 PLATING	ENG. NO. GS2 PLATING	ENG. NO. GS3 PLATING	ENG. NO. PRE TIN	NO.OF CKTS.
(78.74)/3.100	(86.34)/3.400	(90.52)/3.564	(96.62)/3.804	(100.74)/3.966	90663-3641	90663-3642	90663-3643		64
(73.66)/2.900	(81.26)/3.200	(85.44)/3.364	(91.54)/3.604	(95.66)/3.766	-3601	-3602	-3603		60
(60.96)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	-3501	-3502	-3503	90663-3509	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	-3401	-3402	-3403	-3409	40
(40.64)/1.600	(48.24)/1.900	(52.42)/2.064	(58.52)/2.304	(62.64)/2.466	-3341	-3342	-3343	-3349	34
(35.56)/1.400	(43.16)/1.700	(47.34)/1.864	(53.44)/2.104	(57.56)/2.266	-3301	-3302	-3303	-3309	30
(30.48)/1.200	(38.08)/1.500	(42.26)/1.664	(48.36)/1.904	(52.48)/2.066	-3261	-3262	-3263	-3269	26
(22.86)/.900	(30.46)/1.200	(34.64)/1.364	(40.74)/1.604	(44.86)/1.766	-3201	-3202	-3203	-3209	20
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	-3161	-3162	-3163	-3169	16
(15.24)/.600	(22.84)/.900	(27.02)/1.064	(33.12)/1.304	(37.24)/1.466	-3141	-3142	-3143	-3149	14
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90663-3101	90663-3102	90663-3103	90663-3109	10



RECOMMENDED P.C.B.HOLE PATTERN.

NOTES

1. MATERIAL
   HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
   PINS : BRASS SIZE □ (0.635)/.025 .
   LEVER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
   SPRING PINS : STEEL
2. PLATING OPTIONS.
   90663-3**1, GS1 PLATING: (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA (0.1um)/.004uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN.
   90663-3**2, GS2 PLATING: (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA (0.76um)/.030uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN.
   90663-3**3, GS3 PLATING: (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA (0.25um)/.010uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN.
   90663-3**9, PRE-TIN: (0.5-1um)/.020-.040uin NICKEL UNDER (1.0-3.0um)/.039-.118uin TIN.
3. 10.2mm MAX.TO EDGE OF PCB FOR DAISY CHAIN APPLICATIONS.
4. RECOMMENDED PCB THICKNESS 1.6mm

REMOVED REF'S TO COLOR STAMP
EC NO: E2011-0063 2010/08/12
DRWN: JOCONNOR 2010/08/25
CH'KD: 2010/08/30
APPR: EFOLAN
DESCRIPTION
REV H

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .008
2 PLACES	± 0.20	± .008
1 PLACE	± 0.20	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: POB DATE: 1990/11/07
CHECKED BY: ROC DATE: 2000/10/04
APPROVED BY: MW DATE: 2000/10/04

TITLE: QF50 SRD HDR RA KEY W/ELV

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-90663E
SHEET NO.: 4 OF 9

SIZE A3

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