

Customer Information Sheet

DRAWING No.: F05-410XX45R

SHEET 3 OF 4

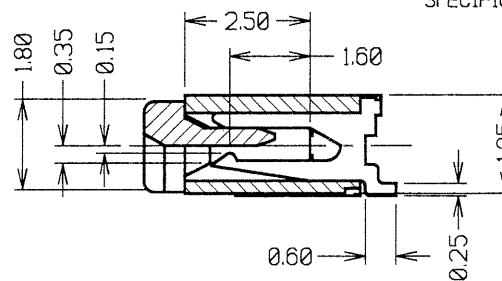
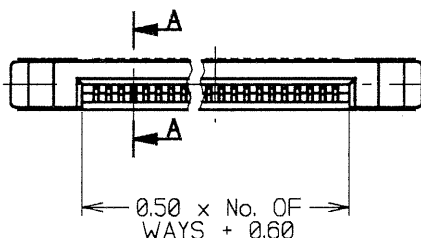
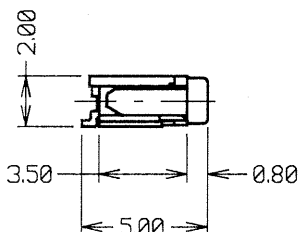
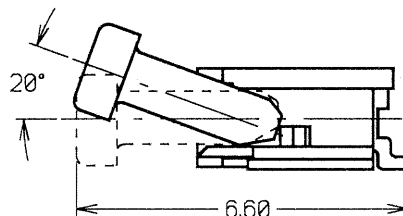
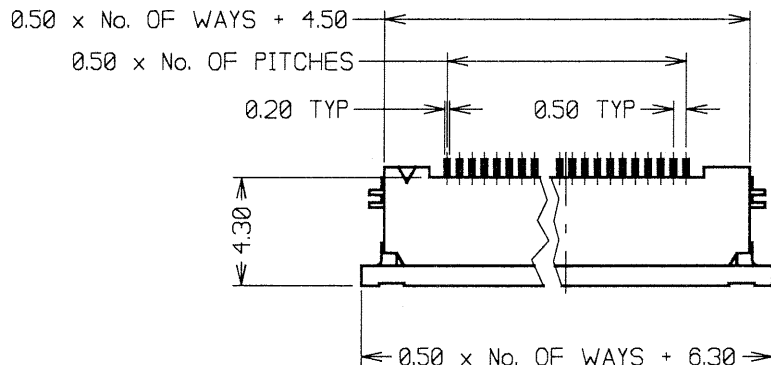
IF IN DOUBT - ASK

©

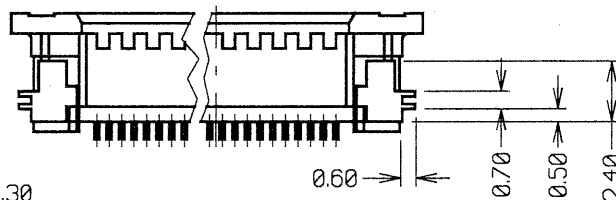
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SECTION A-A



SPECIFICATIONS:

MATERIAL:

MOULDINGS - 40% GLASS-FILLED PPS (UL94V-0)

CONTACTS - HIGH PERFORMANCE COPPER ALLOY

RETAINER - PHOSPHOR BRONZE

FINISH:

CONTACTS - 0.05-0.1μ GOLD OVER 1.27μ NICKEL

RETAINER - 2.0-6.0μ 100% TIN OVER 1.27μ NICKEL

ELECTRICAL:

CURRENT RATING - 0.4A AC/DC

VOLTAGE RATING - 50V AC/DC

CONTACT RESISTANCE - 40 MILLIOHMS MAX

DIELECTRIC WITHSTANDING - 500V AC

INSULATION RESISTANCE - 500 MEGOHMS MIN

MECHANICAL:

RETENTION OF FPC - 0.25N x No. OF WAYS MIN

CONTACT RETENTION FORCE - 1.5N MIN

HOLD DOWN RETENTION FORCE - 3N MIN

DURABILITY - 30 CYCLES

ENVIRONMENTAL:

TEMPERATURE RANGE - -25°C TO +85°C

PACKING:

TAPE & REEL

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C030XX (LATEST ISSUE).

NOTES:

1. ALL TOLERANCES TO BE ± 0.30 UNLESS OTHERWISE STATED.
2. FOR REELING DETAILS SEE SHEET 4.

JMB	6	19.06.06	9273
NAME	ISS.	DATE	C/NOTE
APPROVED:			
CHECKED:			
DRAWN:		W. J. BOURNE	
CUSTOMER REF.:			
ASSEMBLY DRG:			

ORDER CODE:

F05-410XX45R

No. OF WAYS

06, 08, 10, 12, 14, 16,
18, 20, 24, 26 & 30

HARWIN

HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com	HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk	HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg
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TOLERANCES

X. - $\pm 1mm$
X.X - $\pm 0.25mm$
X.XX - $\pm 0.10mm$
X.XXX - $\pm 0.01mm$
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE:

0.5mm PITCH FPC CONNECTOR
BOTTOM CONTACT (TAPE & REEL)

DRAWING NUMBER:

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OF
4

Customer Information Sheet

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SHEET 4 OF 4

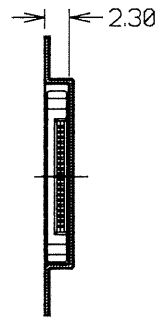
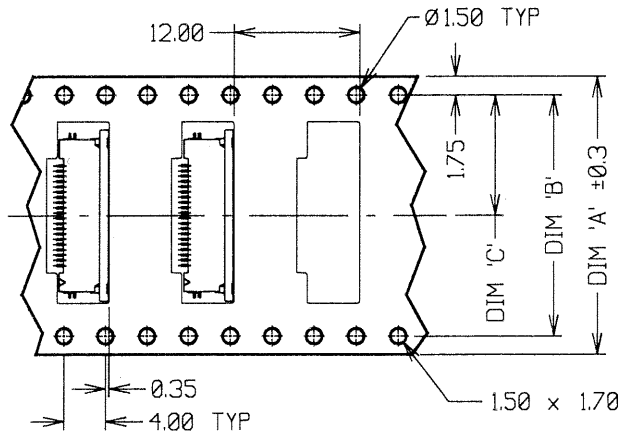
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SECTION X-X

FEED DIRECTION

ROUND HOLES

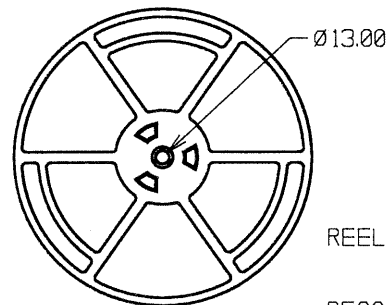
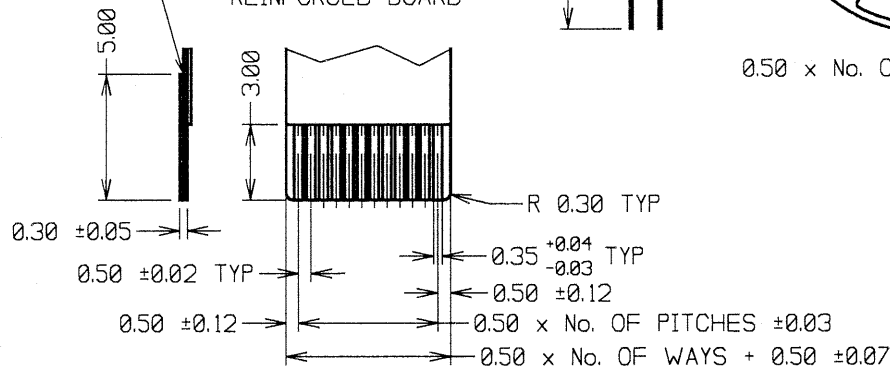
FINISHED
REELING DIRECTION

PART No:	DIM 'A'	DIM 'B'	DIM 'C'
F05-4100645R	16.0		7.5
F05-4100845R	16.0		7.5
F05-4101045R	24.0		11.5
F05-4101245R	24.0		11.5
F05-4101445R	24.0		11.5
F05-4101645R	24.0		11.5
F05-4101845R	24.0		11.5
F05-4102045R	24.0		11.5
F05-4102445R	24.0		11.5
F05-4102645R	32.0	28.4	14.2
F05-4103045R	32.0	28.4	14.2

ORDER CODE:
F05-410XX45R

No. OF WAYS
06, 08, 10, 12, 14, 16,
18, 20, 24, 26 & 30

RECOMMENDED F.P.C. LAYOUT
REINFORCED BOARD

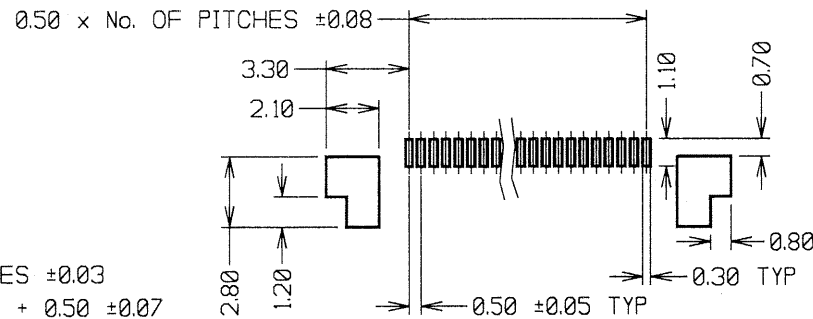


REEL DETAILS

NOTES:

1. FOR CONNECTOR DIMENSIONS SEE SHEET 3.
2. QUANTITY OF COMPONENTS PER REEL = 2000.
3. TAPE & REELING TO BE IN ACCORDANCE WITH ELECTRONIC INDUSTRIES ASSOCIATION EIA-481.

RECOMMENDED PAD LAYOUT



JMB	6	19.06.06	9273
NAME	ISS.	DATE	C/NOTE
APPROVED:			
CHECKED:			
DRAWN:		W. J. BOURNE	
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TEL: 023 9231 4545
FAX: 023 9231 4590
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HARWIN Asia
TEL: +65 6 779 4909
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TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE SHEET 3

FINISH: SEE SHEET 3

S/AREA: mm²

TITLE:

0.5mm PITCH FPC CONNECTOR
BOTTOM CONTACT (TAPE & REEL)

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