

Customer Information Sheet

DRAWING No.: M20-876XXXXR

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

NOTES:

1. FOR 4+4-WAYS AND LESS, CAP LENGTH = 6.00mm.
2. SEE DRAWING M20-876XXXXP FOR PICK AND PLACE VERSION, M20-876XXXX FOR STANDARD PRODUCT.
3. CO-PLANARITY: FLATNESS OF SMT TAILS MUST NOT EXCEED VALUES GIVEN IN TABLE.
4. ALL TOLERANCES ARE ± 0.15 UNLESS OTHERWISE STATED.

SPECIFICATION:

MATERIAL:

MOULDING = NYLON 6T UL94V-0, BLACK
CONTACT = BRASS

FINISH:

42 = SELECTIVE GOLD ON CONTACT AREA,
100% TIN ON TAILS
46 = 100% TIN

ELECTRICAL:

CURRENT RATING = 3A MAX
CONTACT RESISTANCE = $20 \text{ m}\Omega$ MAX
INSULATION RESISTANCE = $500 \text{ M}\Omega$ MIN
DIELECTRIC STRENGTH = 1000V AC
VOLTAGE RATING = 250V AC/DC

MECHANICAL:

DURABILITY = 50 OPERATIONS (TIN),
300 OPERATIONS (GOLD)

ENVIRONMENTAL:

TEMPERATURE RANGE = -40°C TO $+105^\circ\text{C}$

SOLDERING:

REFLOW TEMP = 260°C FOR 10 SECONDS MAX
MANUAL TEMP = 330°C FOR 3-5 SECONDS
FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION COOIXX (LATEST ISSUE)

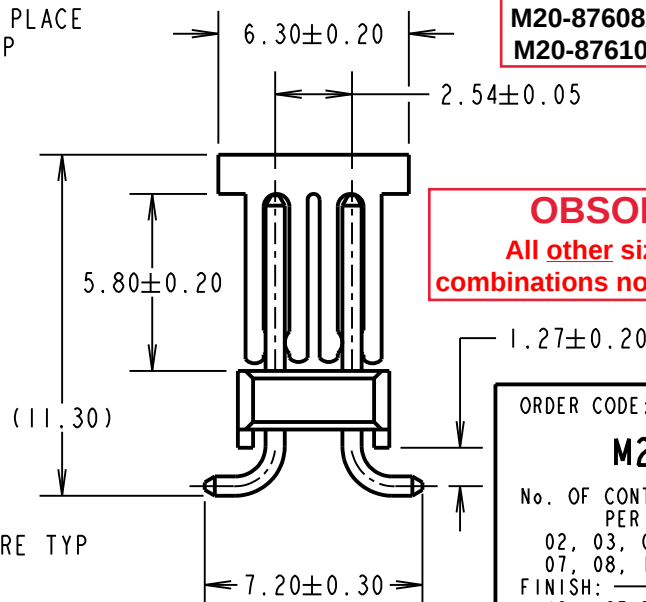
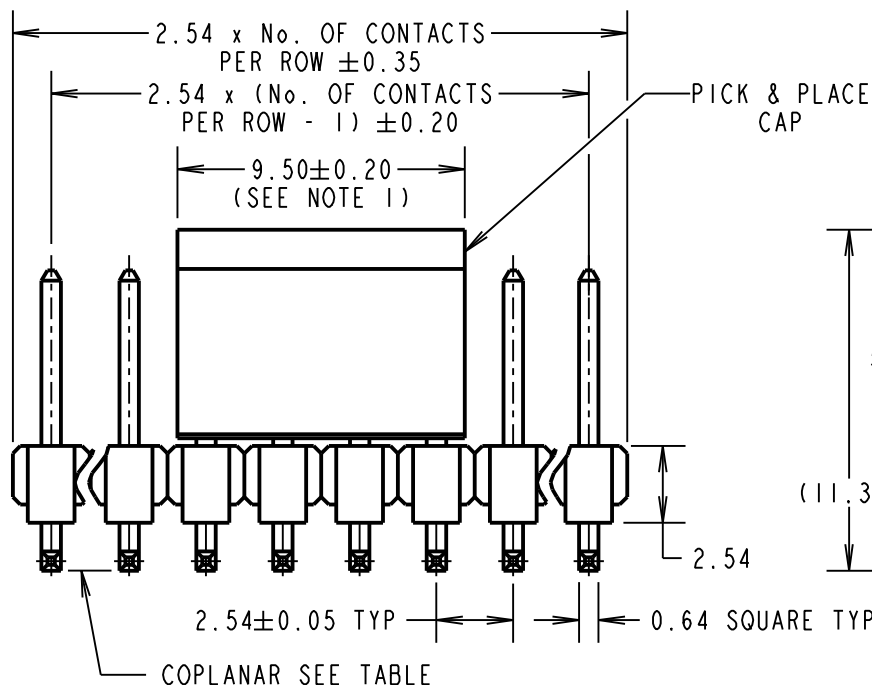
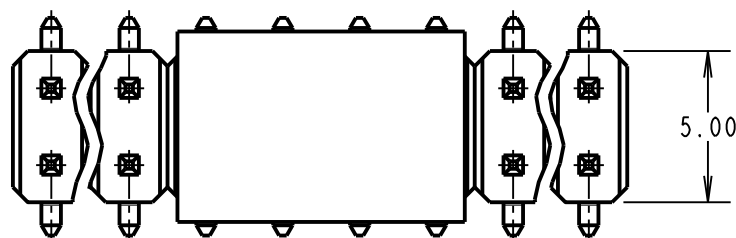
**Active
products:**

M20-87602XXR
M20-8760342R
M20-8760446R
M20-87605XXR
M20-8760642R
M20-87607XXR
M20-87608XXR
M20-8761042R

OBSOLETE

**All other size/finish
combinations not listed above**

No OF CONTACTS	COPLANARITY TOLERANCE
2x02 TO 2x12	0.10mm MAX
2x13 TO 2x17	0.15mm MAX



ORDER CODE:

M20-876XXXXR

No. OF CONTACTS
PER ROW:

02, 03, 04, 05, 06,
07, 08, 10, 17

FINISH:

42 = SELECTIVE GOLD + 100% TIN
46 = 100% TIN

MGP	15	19.11.19	22179
NAME	ISS.	DATE	C/NOTE
APPROVED:	MGP		
CHECKED:	RP		
DRAWN:	W. J. BOURNE		
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

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TOLERANCES

~~X. = $\pm 1\text{mm}$~~
~~X.X = $\pm 0.50\text{mm}$~~
~~X.XX = $\pm 0.20\text{mm}$~~
~~X.XXX = $\pm 0.1\text{mm}$~~

ANGLES = $\pm 5^\circ$

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm²

TITLE: 2.54mm PITCH DIL
SMT PIN HEADER ASSEMBLY
(WITH P/PLACE CAP, T/REEL)

DRAWING NUMBER:

M20-876XXXXR

SHT
3
OF
4

Customer Information Sheet

DRAWING No.: M20-876XXXXR

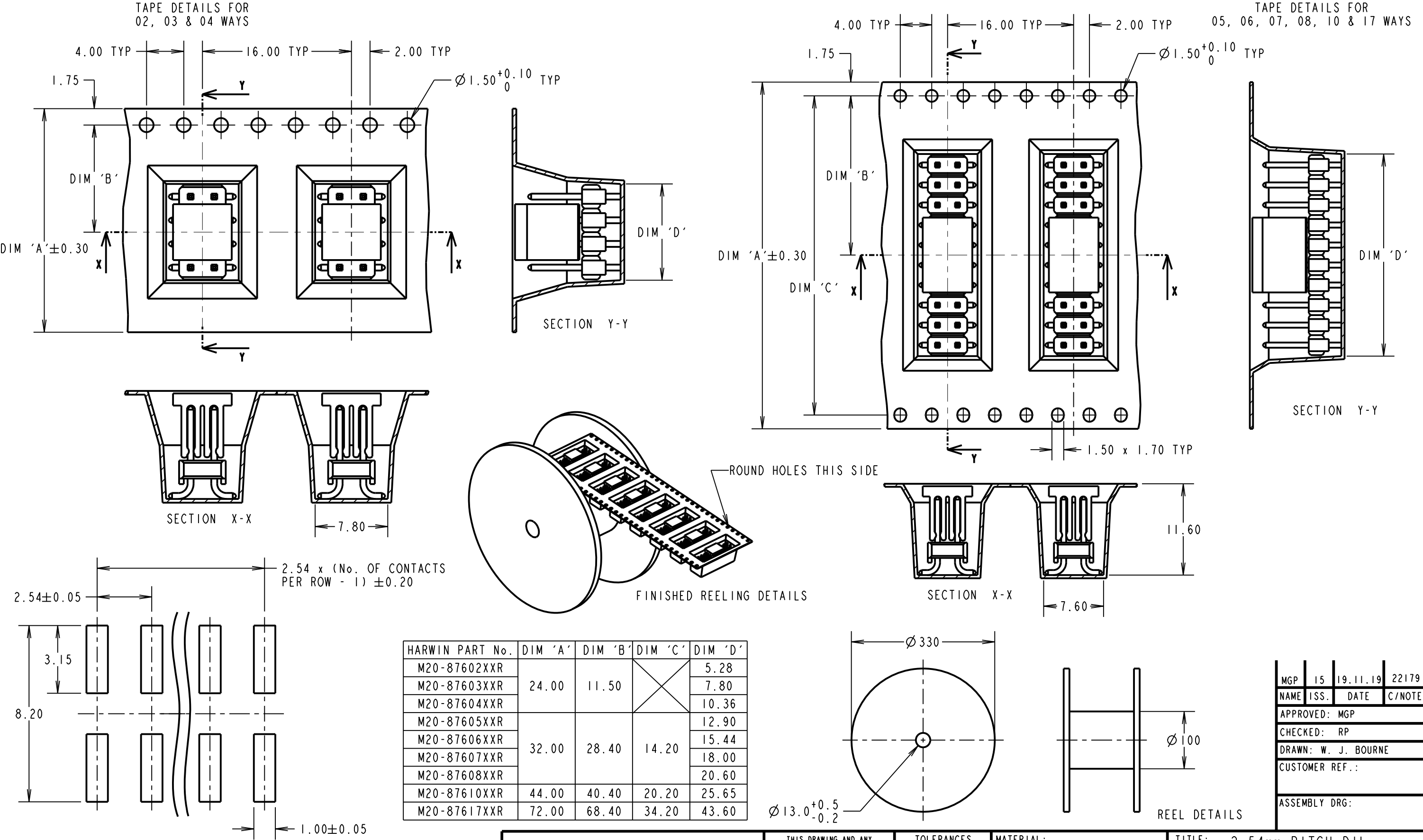
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTES:
1. QUANTITY PER REEL = 350 PIECES.
2. FOR CONNECTOR DIMENSIONS AND SPECIFICATIONS, SEE SHEET 3.
3. TAPE & REELING TO BE IN ACCORDANCE WITH ELECTRONIC INDUSTRIES ASSOCIATION EIA-481.

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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:
SEE SHEET 3
FINISH: SEE SHEET 3
S/AREA: mm²

TITLE: 2.54mm PITCH DIL SMT PIN HEADER ASSEMBLY (WITH P/PLACE CAP, T/REEL)
DRAWING NUMBER: M20-876XXXXR
SHT 4 OF 4

MGP	15	19.11.19	22179
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: RP			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M20-8760742R](#) [M20-8760546R](#) [M20-8760542R](#) [M20-8760342R](#) [M20-8761046R](#) [M20-8761042R](#) [M20-8761746R](#)
[M20-8760242R](#) [M20-8760746R](#) [M20-8760446R](#) [M20-8760846R](#) [M20-8760842R](#) [M20-8760246R](#)