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Part Number:

0850132036

Status:

Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R/2 Reverse, 1µm (40µ") Selective Gold (Au), 48 Circuits, Lead free

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	85013
Application	Daughtercard
Comments	4 Day Industrial Environment (S02)
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R/2

Physical	
Circuits (Loaded)	48
Circuits (maximum)	48
Circuits Detail	Rows A, B, & C
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	Yes
Number of Columns	16
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.524 In
PC Tail Length (mm)	13.30 mm
PCB Locator	No
PCB Retention	Yes
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	39
Plating min: Mating (µm)	1
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C

Electrical	
Current - Maximum per Contact	1A
Data Rate	622.0 Mbps

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

85013Series

Mates With

85042 , 85052 Backplane Header

Real Signals (per 25mm)	30
Shield Type	N/A
Shielded	No
Voltage - Maximum	1000V (RMS)

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

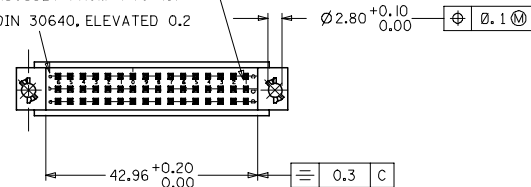
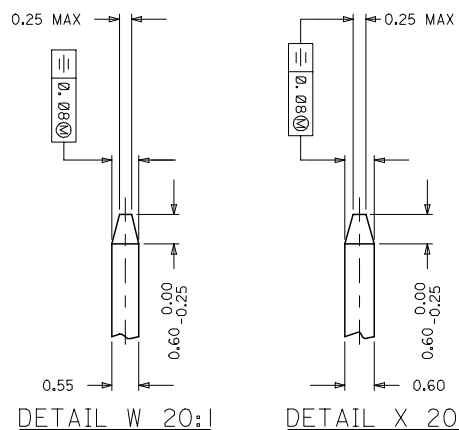
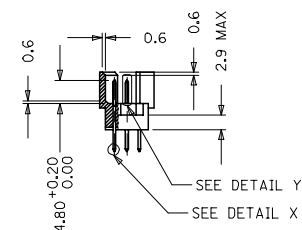
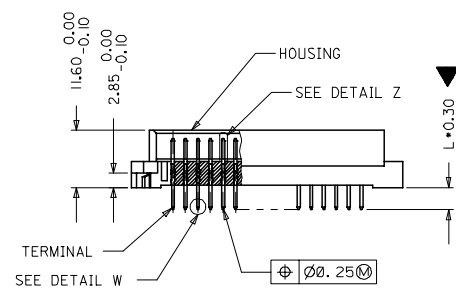
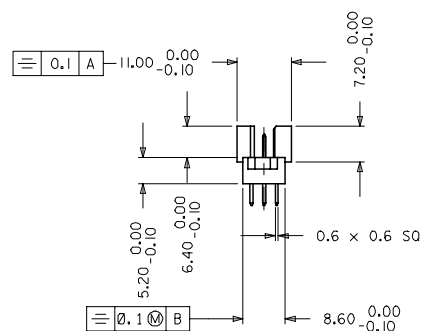
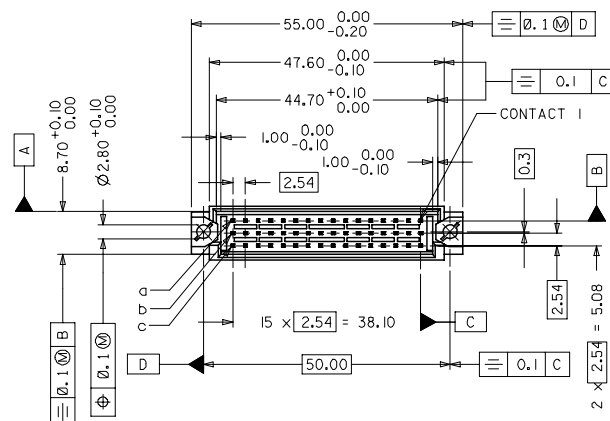
Material Info

Reference - Drawing Numbers

Sales Drawing	E-85013-0002, E-85013-2036, SD-85013-2036, SDA-85013-0002, SDA-85013-2036
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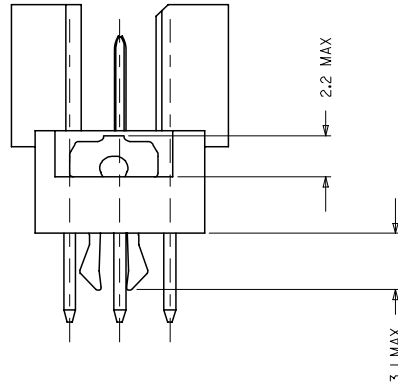
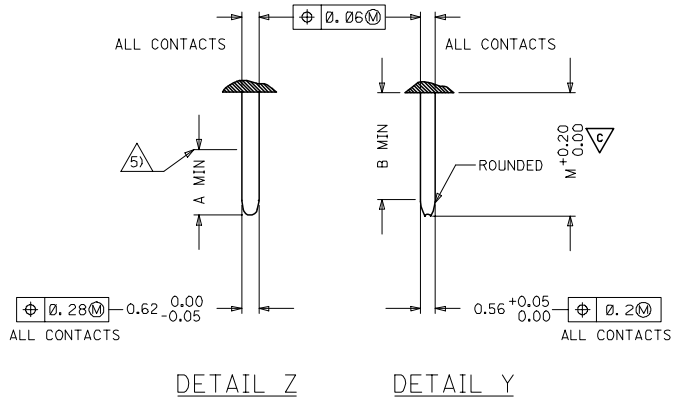
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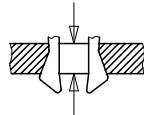
PRE MATING CONTACTS	5.4	4.1	4.8
NORMAL CONTACTS	4.8	3.5	4.2
	M	A	B

MALE CONNECTOR WITH MOUNTING CLIPS

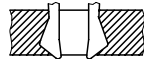


CLIPS SNAP UNDER
PC - BOARD OF
1.5 to 1.8 mm
 $F_m < 60N$
 $F_r > 20N$
 $F_r > 200N$, WHEN
SOLDERED IN
PLATED - THROUGH
FIXING HOLES

F_m = MOUNTING FORCE
(FOR ONE CONNECTOR = 2 CLIPS)



F_r = RETENTION FORCE
(FOR ONE CONNECTOR = 2 CLIPS)



CLIPS STICK IN
FIXING HOLE OF
PC - BOARDS
OVER 1.8 mm
 $F_m < 60N$
 $F_r > 16N$

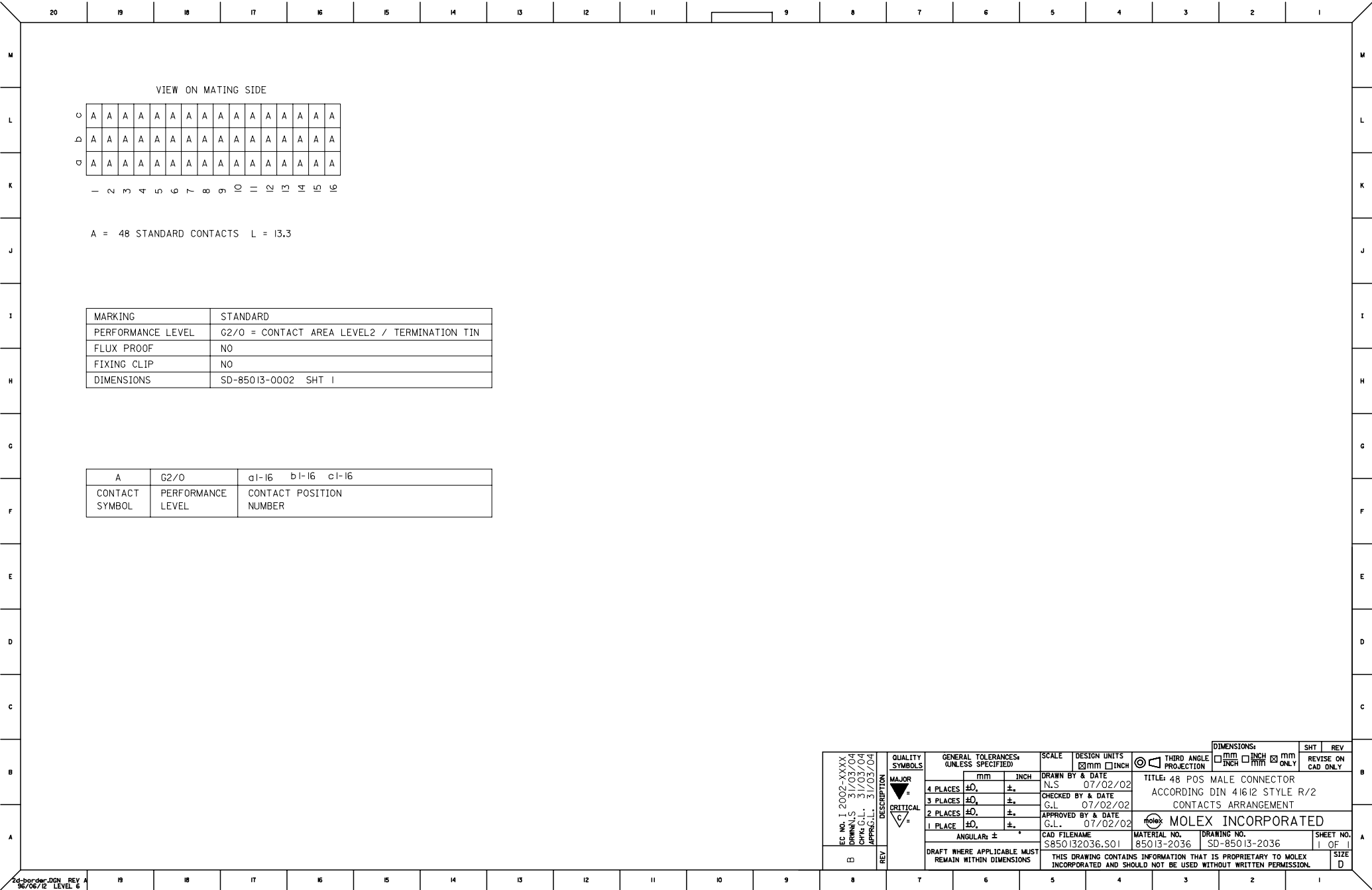
EC NO. 12005-0092 DRAWN BY: DR. N. S. YASHA CHECKED BY: CH. K. RASAD APPROVED BY: S. S. D. H. R. REV	QUALITY SYMBOLS ▽=0 ▽=1	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY NS	DATE 2004/03/31	TITLE 48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A1	4 PLACES	± 0.1	3 PLACES	± 0.05	2 PLACES	± 0.05	1 PLACE	± 0.1
		ANGULAR ± 2 °							
MATERIAL NO. SEE CHART		DOCUMENT NO. E-85013-0002		SHEET NO. 2 OF 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

1
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11
12
13
14
15
16

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-850I3-0002 SHT 1

SL. NO.	DESCRIPTION	CONTACT SYMBOL	PART NUMBER	QTY
1	HOUSING		36520-0002	1
2	TERMINAL	A	36527-0005	48

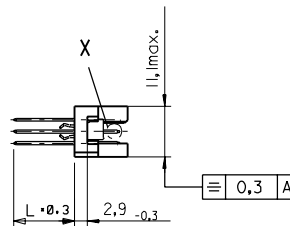
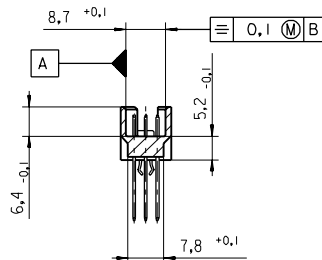
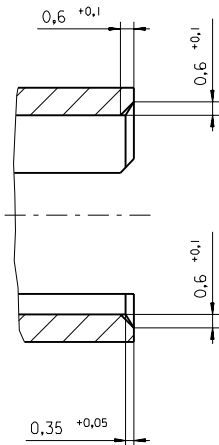
2d-border.DGN REV A
96/06/12 LEVEL 6



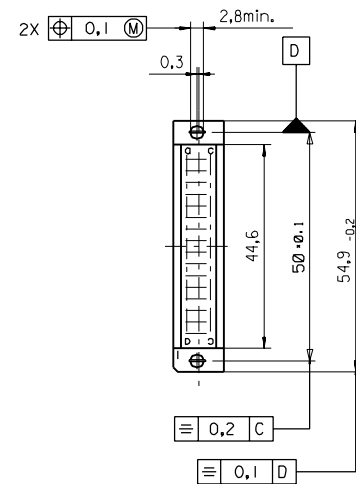
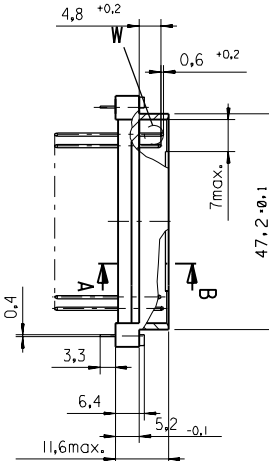
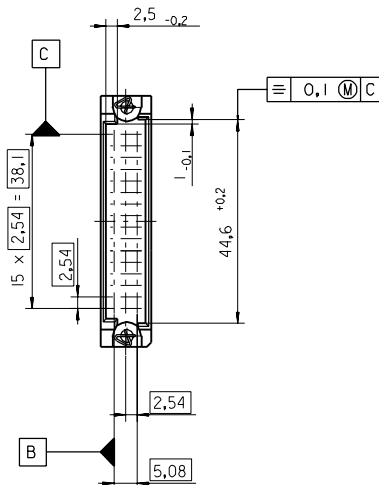
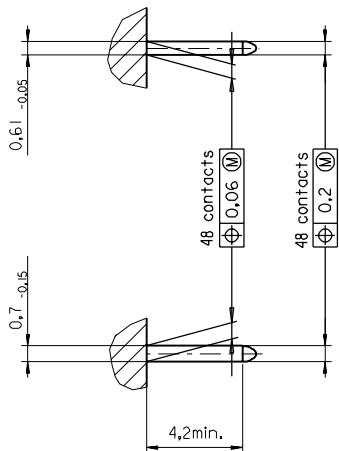
EC NO. I 2002-XXXX DRAWN: S 31/03/04 CHK: G.L. 31/03/04 APPR: L. 31/03/04 B		QUALITY SYMBOLS MAJOR CRITICAL DESCRIPTION	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	DIMENSIONS:		SHT	REV	
			☐ mm ☒ INCH		☒ mm ☐ INCH	☐ mm ☒ INCH		☐ mm ☐ INCH	REVISE ON CAD ONLY			
			DRAWN BY & DATE		N.S. 07/02/02	TITLE: 48 POS MALE CONNECTOR		REVISION				
			CHECKED BY & DATE		G.L. 07/02/02	ACCORDING DIN 41612 STYLE R/2		CONTACTS ARRANGEMENT				
		MOLEX	APPROVED BY & DATE		G.L. 07/02/02	MATERIAL NO.		DRAWING NO.		SHEET NO.		
			CAD FILENAME		S850132036.S01	85013-2036		SD-85013-2036		1 OF 1		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE		D			

PART NO.
DWG. NO.

Section A - B
5:1



View X
5:1



View W
5:1

FIRST ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH.	REV.
first release see ECN No. 1887	LTR REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2° INCH METRIC	DRWG BY Ca	CAD/CAM PROJECT NAME 85013000 621	
		3 PLACE ± . ±	CHK'D BY KN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		2 PLACE ± . ±	APP'D BY	TITLE 48 pos. Male connector acc. DIN 41612 style R/2 Dimensions	
		1 PLACE ± . ±	SCALE	SHEET NO. DATE 1 OF 95/06/08	
BI	DESIGN DIMENSION ☒ MM ☐ IN.	EQUIVALENT DIMENSION ☐ MM ☐ IN.		PART NO. DWG. NO. SIZE	
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY				SDA-85013-0002 B	

View on mating side

[illegible]

1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16

A = 48 standard contacts L=13,3

Marking	Standard
Performance level	G2/0 = Contact area perform. level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85013-0002 sht.1
Technical Data	PS-85013-0001

A	G2/0	a1-l6	b1-l6	c1-l6
Contact symbol	Perform. level	Contact position number		

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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