<table>
<thead>
<tr>
<th>Option 1</th>
<th>Option 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tooling +$20K</strong></td>
<td></td>
</tr>
<tr>
<td>600K</td>
<td>22C</td>
</tr>
<tr>
<td>150K</td>
<td>1.5/150K</td>
</tr>
<tr>
<td>20.5¢</td>
<td>35¢</td>
</tr>
</tbody>
</table>

10-14 week tooling

Every tooling: add to assembly tabs - less than 700 probably

2-16-78
February 22, 1978

Mattel Inc.
5150 Rosecrans Avenue
Hawthorne, California 90250

ATTENTION: Mr. Dave Chandler
REFERENCE: R.F.Q. - 9 Pin Connector

Dear Dave:

Per your recent conversation with our Sales Representative Mr. Bob Torres, we are pleased to submit the following for your evaluation.

Preliminary Proposal: 9 Pin Connector

Type: 9 Pin staggered, Insulation Displacement Style.

Estimate #1 - With Tooling
150,000 pcs. @ $.205/ea.
600,000 pcs. @ $.18/ea.

Please Note: There will be a one time non-recurring tooling charge of $20,000.00, 50% down, balance due upon 1st article approval. Tooling to remain property of Mattel Inc.

Estimate #2 - Without Tooling
1st. 150,000 pcs. @ $.35/ea.
2nd. 150,000 pcs. @ $.25/ea.
Each subsequent order of 150,000 pcs. @ $.25/ea.
600,000 pcs. @ $.22/ea.

Please Note: Tooling to remain property of Circuit Assembly Corporation.

Note: Please see Page 2,
February 22, 1978

Mattel Inc.
5150 Rosecrans Ave.
Hawthorne, California 90250

ATTENTION: Mr. Dave Chandler

REFERENCE: R.F.Q. - 9 Pin Connector

Final detailed performance criteria to be established after placement of Purchase Order and prior to Start of Tooling.

Last of assembly fixtures to be finalized upon assurance of Purchase Order. Estimated cost $80.00 to $130.00 each, for hand presses based on quantity and design required.

Delivery: Approximately 12-16 weeks ARO.

Terms: 1% 10 days, net 30 days. F.O.B., Costa Mesa, California.

Thank you for this opportunity to quote your requirements. If either myself, or Mr. Bob Torres can be of further assistance, please feel free to contact us at your convenience.

Sincerely yours,

Richard F. Foringer
Vice President/Marketing

REF/jh
MATTEL - 9 POSITION CONTACT ANALYSIS

0.030 DEFL., INITIAL/FREE

\[ \text{WIDTH} = 0.040 \text{ (in)} \]
\[ \text{THICKNESS} = 0.006 \text{ (in)} \]

\[ 0.010, \text{NOMINAL CLEARANCE} \]
\[ \text{DEFLECTION LIMIT} \]

\[ 0.010, \text{NOMINAL CLEARANCE} \]
\[ \text{DEFLECTION LIMIT} \]

\[ 0.390 \]
\[ 0.390 \]

\[ 400 \text{ LMP. REF.} \]

MATERIAL

| G38 | 510 | 725 |

TEMPER (AFTER COATING)

| SPR. | SPR. | SPR. |

E, \( \text{PSI} \) =

| 14.8 \( \times 10^6 \) | 16.0 \( \times 10^6 \) | 19.0 \( \times 10^6 \) |

\[ Y_S, \text{KPSI} = \]

| 111/121 | 92/108 | 78/93 |

1) INITIAL CONDITION - @ 0.030 DEFORMATION FROM FREE/COVER INSTALLATION.

\[ P_N - \text{NORMAL LOAD} = \]

| 72 GMS | 68 GMS | 70 GMS |

\[ \text{STRESS, MAX} = \]

| 123 KPSI |

COMMENT - INITIALLY, OVER STRESSED @ 0.030 DEFORMATION.

2) MAX. ALLOWED DEFORMATION, WITHIN YIELD STRENGTH LIMITS, \( Y_S \)

a) \[ Y_S, \text{KPSI} = \]

| 111 | 92 | 78 |

b) \[ P_N - \text{NORMAL LOAD MAX} = \]

| 62 GMS | 52 GMS | 45 GMS |

c) MAX ALLOWED DEFORMATION =

| 0.026 | 0.023 | 0.017 |

d) NOMINAL CLEARANCE

| 0.010 | 0.010 | 0.010 |

COMMENT - ALL ACCEPTABLE AT 400 COMPRESSION HT, AFTER STRESS RELAXATION.

3) FINAL CONDITION, AFTER STRESS RELAXATION

a) FINAL DEFORMATION (2d-2c)

| 0.016 | 0.013 | 0.007 |

b) \[ P_N - \text{NORMAL LOAD} = \]

| 38 GMS | 27 GMS | 18 GMS |

3-9-78 P. J. Thomas
To Circuit Assembly Corp.

For tooling charge of $20,000.00 down and $20,000.00 balance upon 1st article approval.

For tooling of 2 pin connector per gusto dated March 6, 1978. Total cost = $20,000. 50% down, balance upon 1st article approval.

(These production tooling charges run through the budget for expediency — & to transfer later.)
March 29, 1978

MATTEL, INC.
5150 Rosecrans
Hawthorne, California 90250

ATTENTION: Mr. Howard L. Cohen, Purchasing Agent
REFERENCE: Edge Card Connector - R.F.Q.

Dear Mr. Cohen:

Per your request of our sales representative, Mr. Bob Torres and our Engineering Manager, Mr. John McAllister, we are pleased to submit the following price information for your evaluation:

<table>
<thead>
<tr>
<th>CAC PART NO.</th>
<th>QUANTITY</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA-22-1-01-Ww-X</td>
<td>60,000 pcs.</td>
<td>.99/ea</td>
</tr>
</tbody>
</table>

NOTE: X = One row of contacts only. These will be formed to Mattel Specifications. Mr. Dave Chandler, of Mattel Engineering, is to receive samples for evaluation by 4/4/78.

DELI: 3 - 4 weeks ARO.

TERMS: 1% 10 days, Net 30 days. F.O.B. Costa Mesa, California.

Thank you for this opportunity to quote your requirements. If either Mr. McAllister or Mr. Torres can be of further assistance, please feel free to contact us at your convenience.

Sincerely,

William E. Corr
Regional Manager

WEC/mw

cc: Dave Chandler, Mattel
Jim Kingsbury, Mattel
April 4, 1978

Circuit Assembly Corporation
3169 Red Hill Avenue
Costa Mesa, CA 92626
Attn: Mr. Bob Torres

Dear Bob,

Pursuant to our conversation of recent date, this letter details Mattel Toy's intent in regard to production of and purchase for the Mattel Programmable Video Cartridge Game.

Mattel intends to produce these games to the limit of available microprocessor sets. Assembly will be performed by a selected vendor and this vendor will also purchase all components and sub-assemblies on our behalf. The estimated microprocessor sets available in 1978 translate into a range of 80M to 200M connectors.

It is Mattel's intent to have our vendor purchase these connectors from your firm, using the tooling already ordered by Mattel under separate orders. The order will be placed following contract completion with our selected vendor.

Sincerely Yours,

Howard L. Cohen
Director of Purchasing

Mattel Toys, division of
Mattel, Inc. General Offices, 5150 Rosecrans Avenue, Hawthorne, California 90250 Telephone (213) 644-0411 Telex: 67-4961
**INVOICE NO. 79334**

**BILL**

Mattel, Inc
5150 Rosecrans
Hawthorne, CA 90250

**SHIP**


**BUYER**

Howard Cohen

**TERMS**

1% 10, net 30

**F.O.B.**

Costa Mesa, Calif.

**RESALE**


**ORDER PLACED WITH**

Richard Foringer

**ORDER COMPLETE**


**ITEM**

**QUANTITY**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Lot</td>
<td></td>
<td>Tooling for manufacture of 9-pin connector</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Circuit Assembly P/N CA-10314 (Base)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CA-10315 (Cover)</td>
</tr>
</tbody>
</table>

**TOOLING**

Tooling to consist of:

(a) Tooling for contacts
(b) 4 cavity mold (2 base, 2 cover)
(c) 2 cable assembly fixtures

First article parts delivered by Mr. Bob Torres of Circuit Assembly to Mr. Dave Chandler of Mattel on August 9, 1978 (Circuit Assembly Delivery Receipt 4476, copy attached)

Less 50% down received
March 30, 1978 Check #42051

**ACCOUNTS PAYABLE**

$10,000.00

$10,000.00

$1,200.00

$11,200.00

**REPRESENTATIVE**

I hereby certify that amounts invoiced herein do not exceed the lower of (1) the contract price, or (2) maximum levels established in accordance with executive order 11615 dated August 15, 1971.
<table>
<thead>
<tr>
<th>No.</th>
<th>4476</th>
<th>Your Order</th>
<th>31015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Mattel Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td>5150 Rosecrans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>Hawthorne, CA 90250</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>8-9-1978</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Packages</th>
<th>Received in Apparent Good Order</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CA-103.14 base</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>CA-103.15 cover</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>CA-11073 contact</td>
<td>45</td>
</tr>
<tr>
<td>3</td>
<td>First Article Parts</td>
<td></td>
</tr>
</tbody>
</table>

C.O.D. Charge: 0
Delivery Charge: 0
Total PKGS: 13
Total Weight: 55 lbs

Received by: O. P. Chandler 8-9-78

DELIVERY RECEIPT
DUPLICATE
January 25, 1979

Circuit Assembly
3169 Red Hill Ave.
Costa Mesa, CA 92626
Attn: Bob Torres

Dear Bob,

Per our recent conversation, this letter is Mattel Toy’s authorization for Circuit Assembly Corporation to sell the custom 9-pin connector to our selected and designated assembly vendor.

It is our intent to have our assembly vendor, GTE Sylvania, CMO Division, of Muncy, Pennsylvania, purchase the said connector on our behalf. Quantities needed, scheduled deliveries, and inspection will be set and performed by GTE Sylvania and a Purchase Agreement between Circuit Assembly and GTE Sylvania made.

If you have any questions, please contact me. Thank you for your cooperation.

Sincerely yours,

[Signature]

Howard L. Cohen

HLC/lac

cc: Dr. Dave Chandler (Mattel) 
Alan Secor (Mattel) 
John Robertson (GTE Sylvania)
February 8, 1979

Mattel
15¢ Rosecrans
Hawthorne, CA 90250

Attention: Jerry Foard
213-644-0411 Ext. 1419

Reference: Request for Quote

Gentlemen:

Per our recent conversation with our Sales Representative, Mr. Bob Torres, we are pleased to submit the following pricing for your evaluation:

<table>
<thead>
<tr>
<th># Pin Insulation Displacement</th>
<th>DIP Interconnect</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10,000 Pcs</td>
</tr>
<tr>
<td>Single End Base</td>
<td>$2.16/ea</td>
</tr>
<tr>
<td>Double End Base</td>
<td>$3.32/ea</td>
</tr>
<tr>
<td>Cable Per Inch</td>
<td>.085</td>
</tr>
</tbody>
</table>

Note: Cable - .050 mil center line. All grey with red edge.

CA-4+IDF-190

|                               | 10,000 Pcs       | 25,000 Pcs     | 50,000 Pcs     | 100,000 Pcs |
|                               | $1.99/ea         | $1.58/ea       | $1.25/ea       | $1.19/ea     | $1.13/ea     |

Note: There will be a one-time non-recurring tooling charge of $17,500.00, 10% down and 50% upon approval of first article. Tooling will remain the property of Circuit Assembly Corp.

Note: Mattel to supply production drawing and Circuit Assembly Corp. will issue a Circuit Assembly part number.

Delivery: 12-14 weeks upon approval of first article. Production 4 weeks after approval.

Terms: 1% 10 days, net 30 days. F.O.B. Costa Mesa, California.

Thank you for this opportunity to quote your requirements. If you should require any further assistance, please feel free to contact our Sales Representative, Mr. Bob Torres, or myself at your convenience.

Very truly yours,

Richard F. Foringer,
Vice President/Marketing

Manufacturers of DIP Sockets, Plugs, Modular and IC Assemblies, Cables